

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020124\
 Data File : BP019512.D
 Acq On : 01 Feb 2024 18:13
 Operator : MA/JU
 Sample : 03572-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Feb 02 03:21:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	64783	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	278811	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	201242	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	453536	20.000	ng	0.00
76) Chrysene-d12	21.392	240	332473	20.000	ng	0.00
86) Perylene-d12	23.810	264	355495	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	558428	138.947	ng	0.00
7) Phenol-d6	7.081	99	764770	141.126	ng	0.00
23) Nitrobenzene-d5	9.081	82	527310	81.952	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	425112	144.681	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1273848	78.252	ng	0.00
79) Terphenyl-d14	19.869	244	1968560	97.373	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	7477	4.829	ng	97
3) Pyridine	3.793	79	15813	3.767	ng	96
4) n-Nitrosodimethylamine	3.711	42	6907	3.779	ng	# 86
6) Aniline	7.246	93	26821	5.094	ng	99
8) 2-Chlorophenol	7.469	128	16990	4.118	ng	98
9) Benzaldehyde	7.058	77	19552	5.146	ng	96
10) Phenol	7.105	94	23338	4.321	ng	89
11) bis(2-Chloroethyl)ether	7.346	93	18313	4.358	ng	98
12) 1,3-Dichlorobenzene	7.799	146	20805	4.121	ng	98
13) 1,4-Dichlorobenzene	7.946	146	21405	4.185	ng	98
14) 1,2-Dichlorobenzene	8.258	146	20264	4.094	ng	90
15) Benzyl Alcohol	8.158	79	20042	4.629	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.440	45	19703	4.689	ng	98
17) 2-Methylphenol	8.358	107	15501	4.263	ng	96
18) Hexachloroethane	8.981	117	7843	3.956	ng	90
19) n-Nitroso-di-n-propyla...	8.722	70	16864	4.556	ng	97
20) 3+4-Methylphenols	8.681	107	21419	4.316	ng	98
22) Acetophenone	8.740	105	33524	4.221	ng	# 97
24) Nitrobenzene	9.122	77	27194	4.198	ng	98
25) Isophorone	9.646	82	46539	4.153	ng	99
26) 2-Nitrophenol	9.834	139	8665	3.508	ng	95
27) 2,4-Dimethylphenol	9.893	122	14806	4.687	ng	96
28) bis(2-Chloroethoxy)met...	10.140	93	26349	4.156	ng	99
29) 2,4-Dichlorophenol	10.363	162	18684	3.913	ng	94
30) 1,2,4-Trichlorobenzene	10.575	180	22483	3.840	ng	96
31) Naphthalene	10.763	128	59289	3.877	ng	99
32) Benzoic acid	9.946	122	8621	2.801	ng	97
33) 4-Chloroaniline	10.887	127	25080	4.435	ng	98
34) Hexachlorobutadiene	11.040	225	15430	3.557	ng	96
35) Caprolactam	11.651	113	5581	4.129	ng	95
36) 4-Chloro-3-methylphenol	11.999	107	20191	3.878	ng	95
37) 2-Methylnaphthalene	12.375	142	42961	4.060	ng	100
38) 1-Methylnaphthalene	12.593	142	43608	4.193	ng	99
40) 1,2,4,5-Tetrachloroben...	12.734	216	28506	3.673	ng	99
41) Hexachlorocyclopentadiene	12.710	237	14097	4.021	ng	97
43) 2,4,6-Trichlorophenol	12.981	196	16495	3.510	ng	93

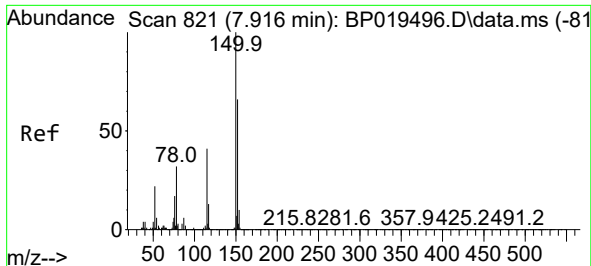
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 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.046	196	17767	3.443	ng	97
46) 1,1'-Biphenyl	13.387	154	61849	3.851	ng	97
47) 2-Chloronaphthalene	13.422	162	47908	3.634	ng	97
48) 2-Nitroaniline	13.634	65	13271	3.600	ng	93
49) Acenaphthylene	14.269	152	78115	4.223	ng	99
50) Dimethylphthalate	14.016	163	62243	4.040	ng	# 98
51) 2,6-Dinitrotoluene	14.134	165	12131	3.584	ng	93
52) Acenaphthene	14.610	154	43886	3.823	ng	98
53) 3-Nitroaniline	14.457	138	11626	3.738	ng	# 89
54) 2,4-Dinitrophenol	14.669	184	4845	2.757	ng	# 81
55) Dibenzofuran	14.945	168	75915	4.060	ng	99
56) 4-Nitrophenol	14.763	139	8887	3.486	ng	89
57) 2,4-Dinitrotoluene	14.922	165	15314	3.453	ng	96
58) Fluorene	15.598	166	60778	4.081	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	17201	3.963	ng	97
60) Diethylphthalate	15.381	149	61286	4.000	ng	97
61) 4-Chlorophenyl-phenyle...	15.598	204	33401	3.990	ng	95
62) 4-Nitroaniline	15.622	138	12216	3.747	ng	99
63) Azobenzene	15.892	77	59067	3.986	ng	96
65) 4,6-Dinitro-2-methylph...	15.675	198	6522	2.522	ng	88
66) n-Nitrosodiphenylamine	15.816	169	51356	3.781	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	20477	3.612	ng	98
68) Hexachlorobenzene	16.592	284	24563	3.710	ng	96
69) Atrazine	16.775	200	20209	4.484	ng	97
70) Pentachlorophenol	16.939	266	11457	2.779	ng	97
71) Phenanthrene	17.345	178	97126	4.069	ng	99
72) Anthracene	17.434	178	94622	3.974	ng	98
73) Carbazole	17.710	167	79708	3.685	ng	99
74) Di-n-butylphthalate	18.275	149	87864	3.360	ng	99
75) Fluoranthene	19.310	202	104399	3.581	ng	99
77) Benzidine	19.498	184	40574	5.837	ng	98
78) Pyrene	19.663	202	107960	4.601	ng	99
80) Butylbenzylphthalate	20.557	149	29545	3.372	ng	94
81) Benzo(a)anthracene	21.380	228	89410	3.820	ng	99
82) 3,3'-Dichlorobenzidine	21.316	252	30966	3.631	ng	99
83) Chrysene	21.433	228	85621	3.853	ng	97
84) Bis(2-ethylhexyl)phtha...	21.327	149	38874	2.913	ng	98
85) Di-n-octyl phthalate	22.274	149	60415	2.573	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.339	276	108367	3.982	ng	98
88) Benzo(b)fluoranthene	23.074	252	82516	3.683	ng	97
89) Benzo(k)fluoranthene	23.121	252	77620	3.627	ng	98
90) Benzo(a)pyrene	23.704	252	72565	3.640	ng	95
91) Dibenzo(a,h)anthracene	26.374	278	90090	4.025	ng	100
92) Benzo(g,h,i)perylene	27.104	276	88293	3.889	ng	98

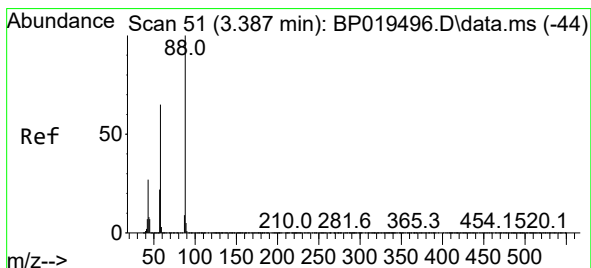
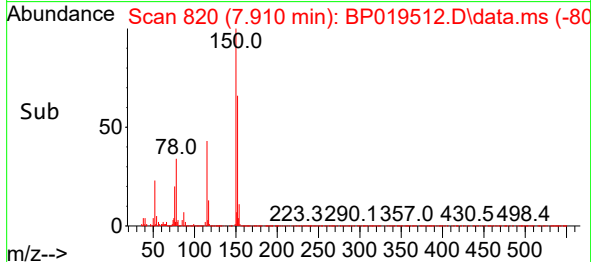
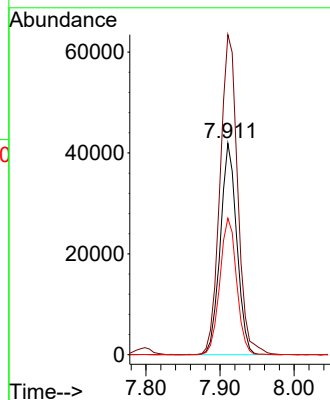
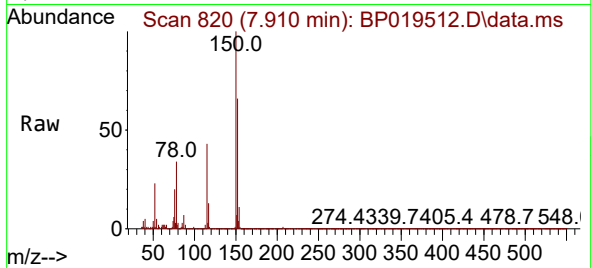
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019512.D
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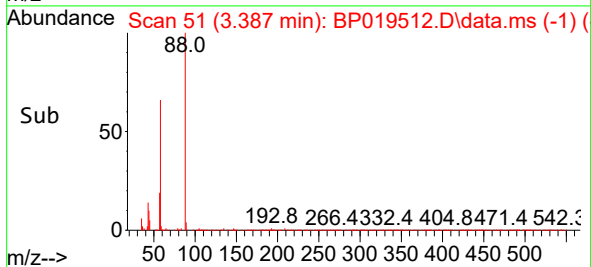
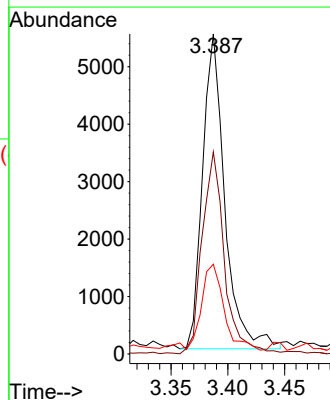
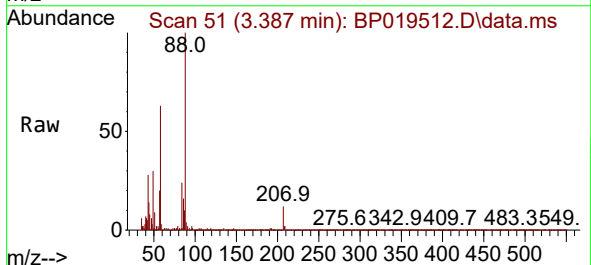
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BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

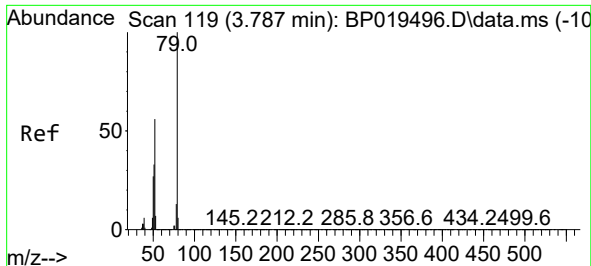
Tgt Ion:152 Resp: 64783
Ion Ratio Lower Upper
152 100
150 151.4 121.8 182.8
115 64.6 49.9 74.9



#2
1,4-Dioxane
Concen: 4.829 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 88 Resp: 7477
Ion Ratio Lower Upper
88 100
58 62.9 52.6 78.8
43 28.6 21.9 32.9





#3

Pyridine

Concen: 3.767 ng

RT: 3.793 min Scan# 119

Delta R.T. 0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

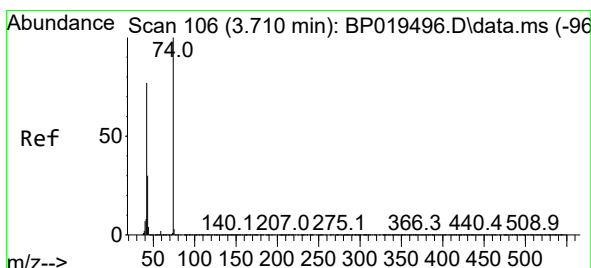
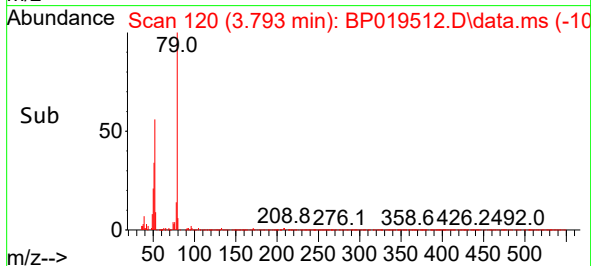
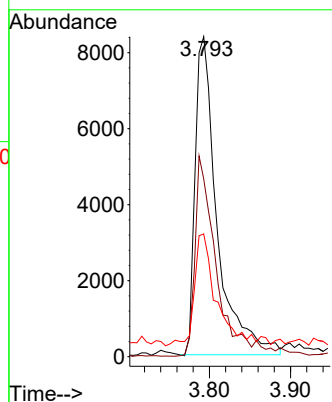
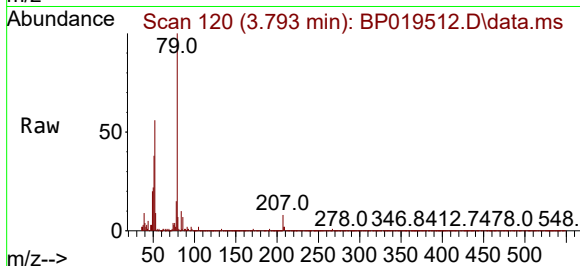
Tgt Ion: 79 Resp: 15813

Ion Ratio Lower Upper

79 100

52 55.6 45.0 67.6

51 38.3 26.8 40.2



#4

n-Nitrosodimethylamine

Concen: 3.779 ng

RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

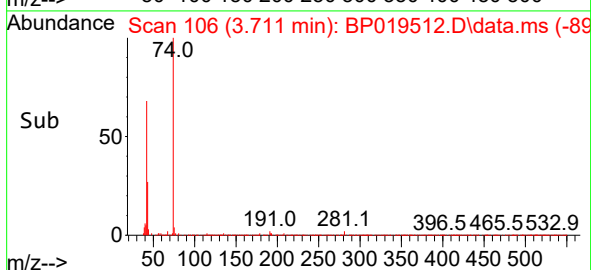
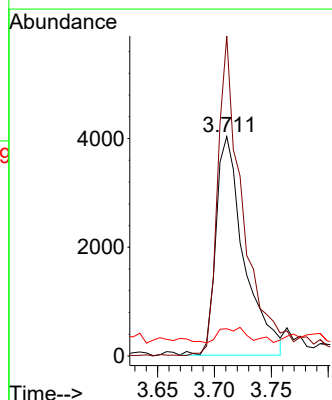
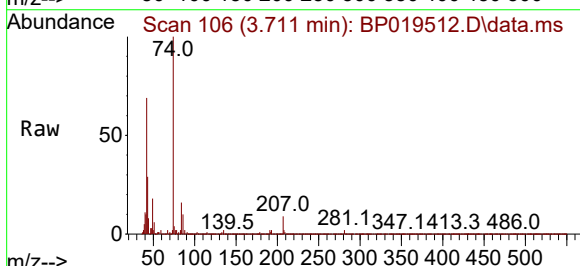
Tgt Ion: 42 Resp: 6907

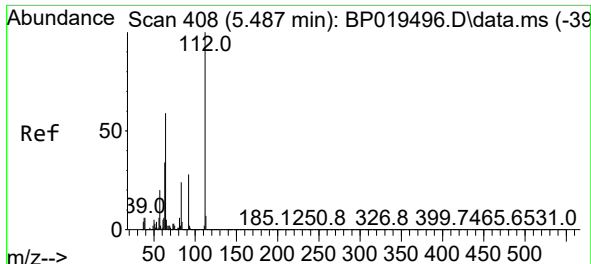
Ion Ratio Lower Upper

42 100

74 145.9 103.4 155.2

44 12.4 4.8 7.2#

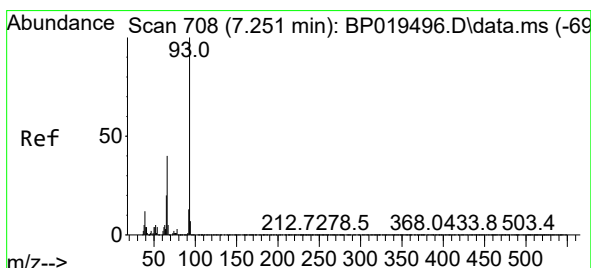
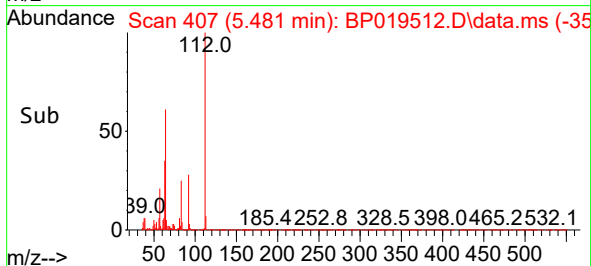
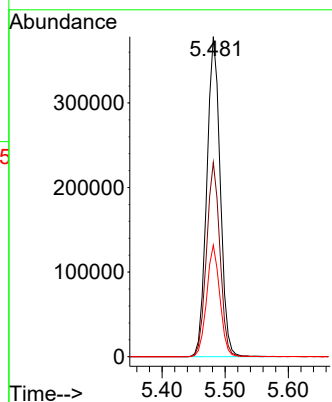
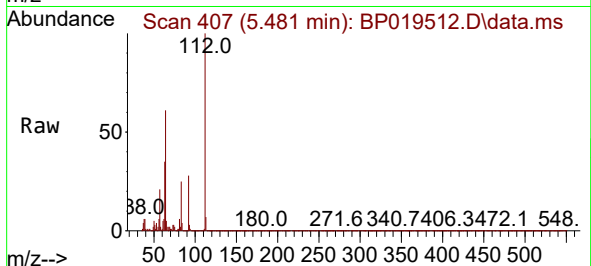




#5
2-Fluorophenol
Concen: 138.947 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

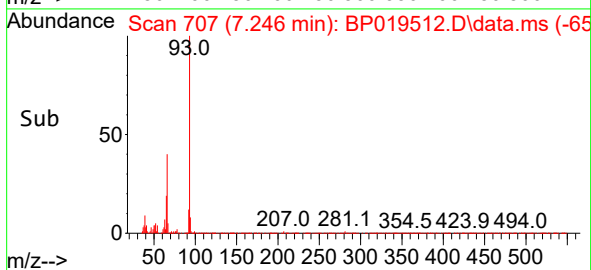
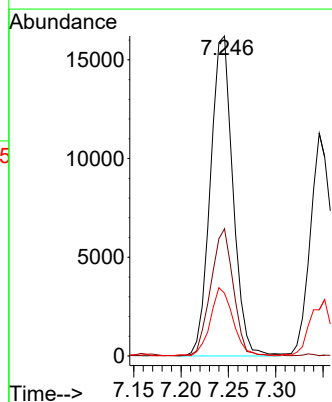
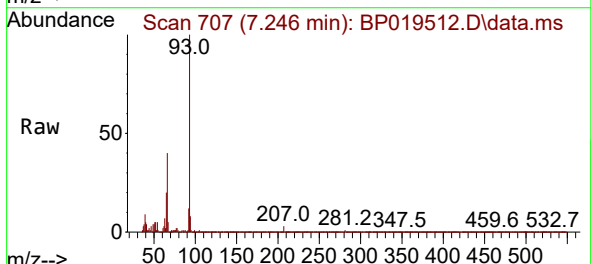
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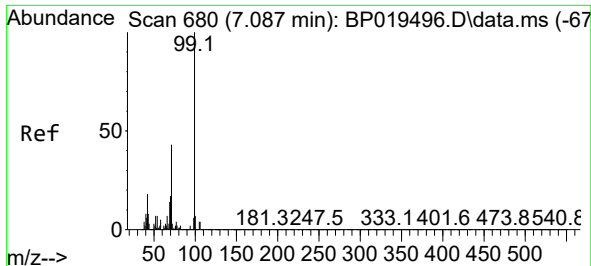
Tgt Ion:112 Resp: 558428
Ion Ratio Lower Upper
112 100
64 60.7 47.4 71.0
63 34.8 27.0 40.6



#6
Aniline
Concen: 5.094 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 93 Resp: 26821
Ion Ratio Lower Upper
93 100
66 39.7 32.3 48.5
65 19.6 16.4 24.6

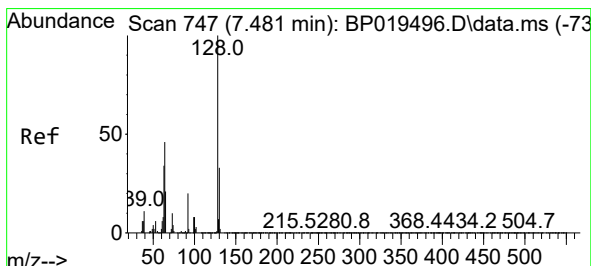
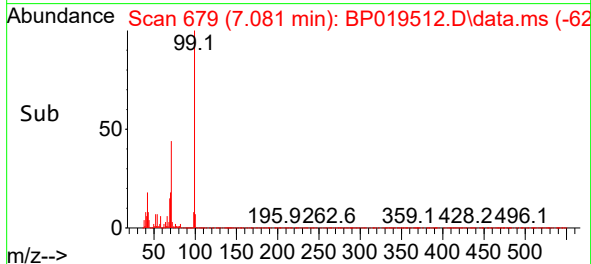
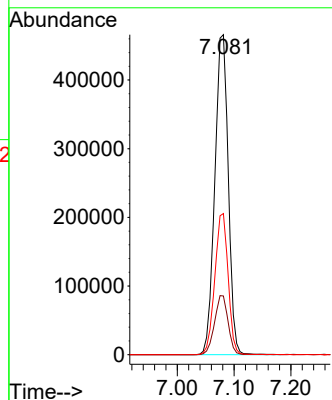
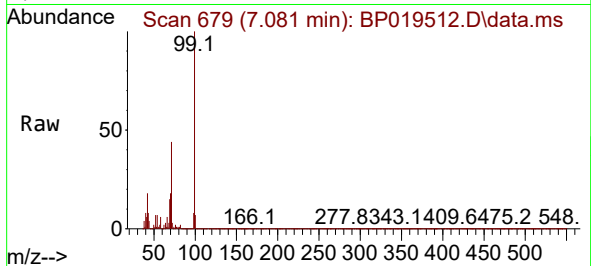




#7
Phenol-d6
Concen: 141.126 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

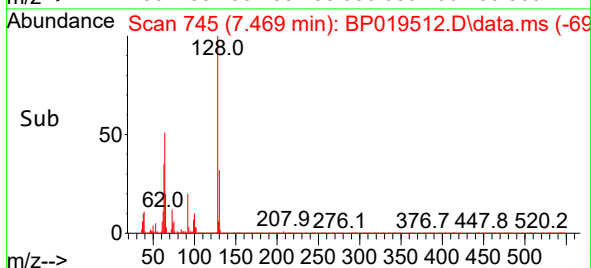
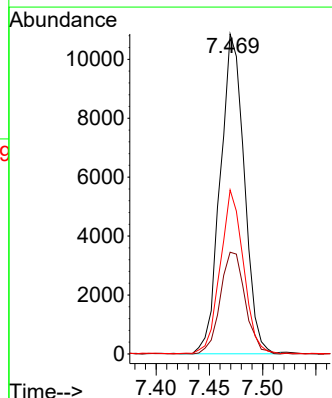
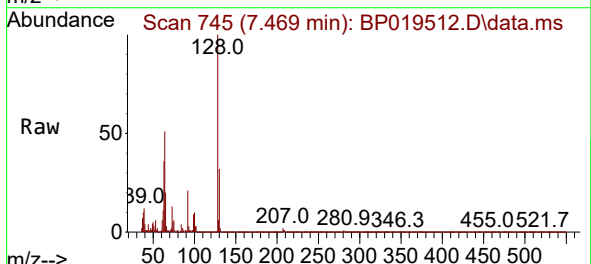
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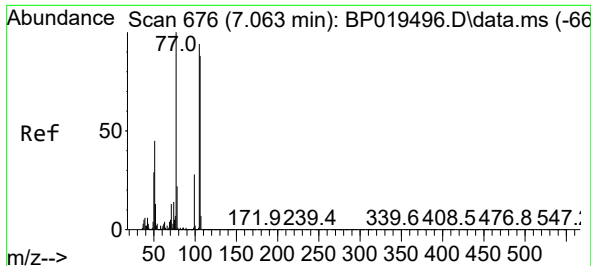
Tgt Ion: 99 Resp: 764770
Ion Ratio Lower Upper
99 100
42 18.4 14.7 22.1
71 44.1 34.8 52.2



#8
2-Chlorophenol
Concen: 4.118 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019512.D
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Tgt Ion:128 Resp: 16990
Ion Ratio Lower Upper
128 100
130 31.8 13.3 53.3
64 51.3 29.7 69.7

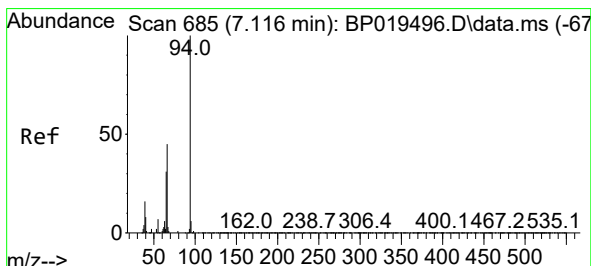
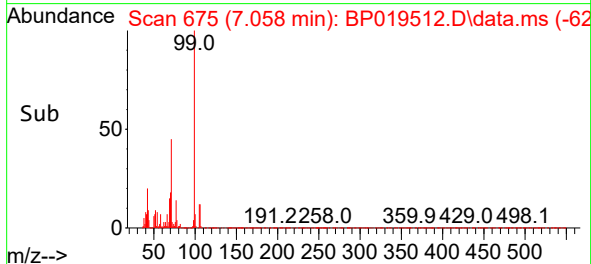
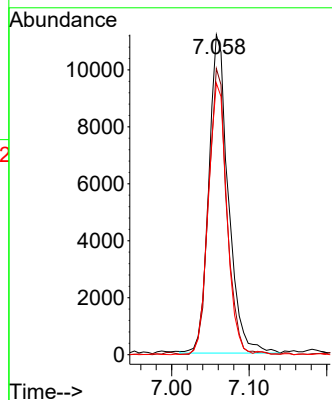
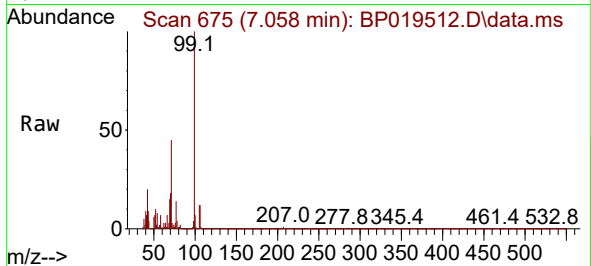




#9
Benzaldehyde
Concen: 5.146 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

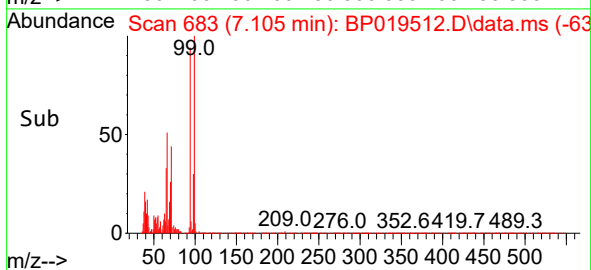
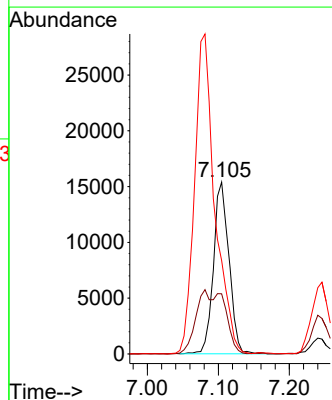
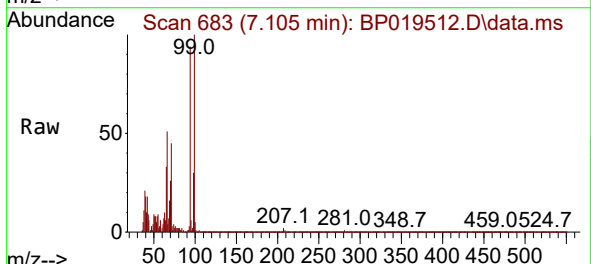
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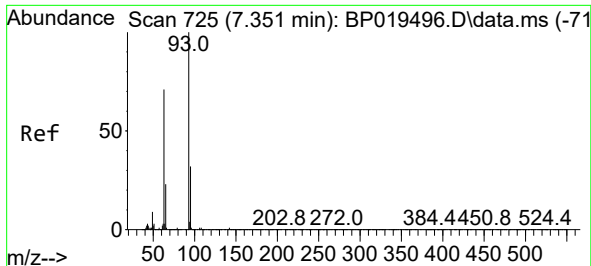
Tgt Ion: 77 Resp: 19552
Ion Ratio Lower Upper
77 100
105 89.4 74.0 114.0
106 84.8 67.8 107.8



#10
Phenol
Concen: 4.321 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 94 Resp: 23338
Ion Ratio Lower Upper
94 100
65 35.1 11.3 51.3
66 54.4 25.1 65.1

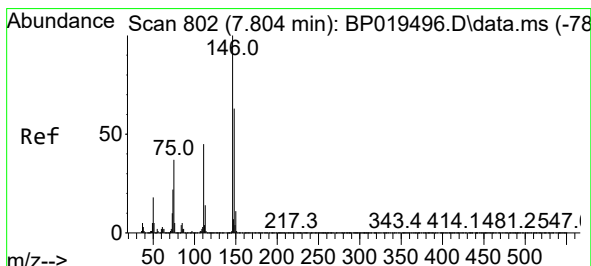
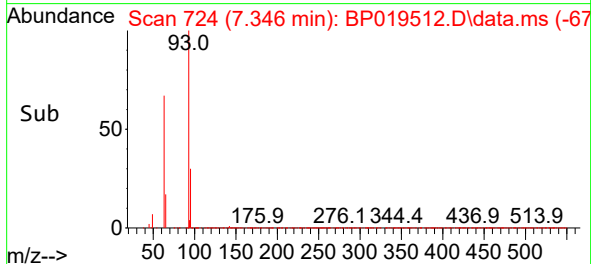
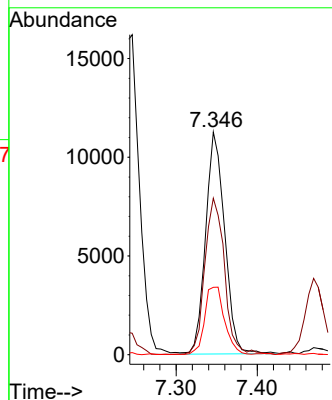
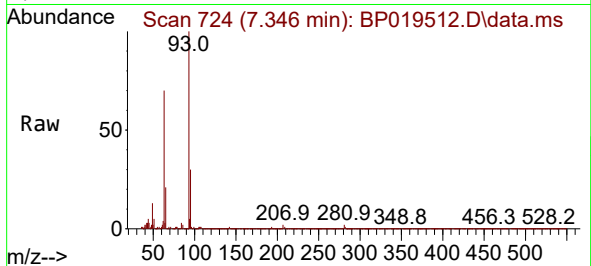




#11
bis(2-Chloroethyl)ether
Concen: 4.358 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

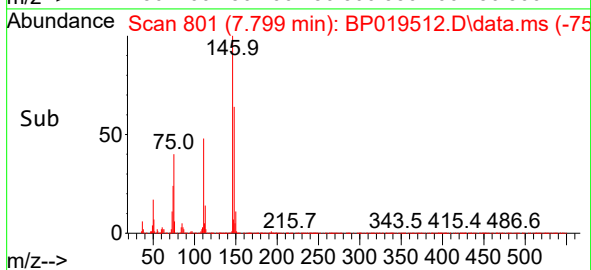
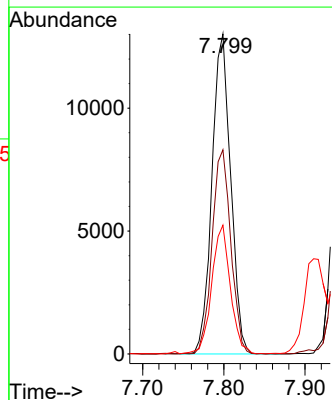
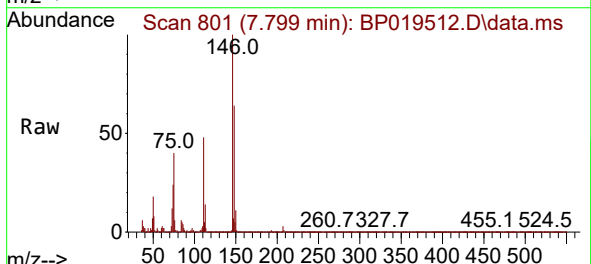
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

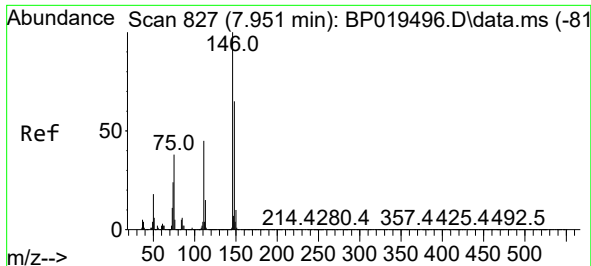
Tgt Ion: 93 Resp: 18313
Ion Ratio Lower Upper
93 100
63 70.3 51.2 91.2
95 30.2 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.121 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 146 Resp: 20805
Ion Ratio Lower Upper
146 100
148 63.8 50.4 75.6
75 40.2 29.9 44.9

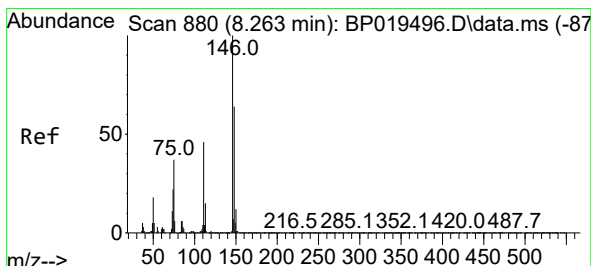
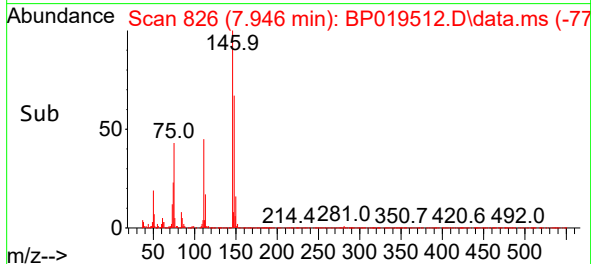
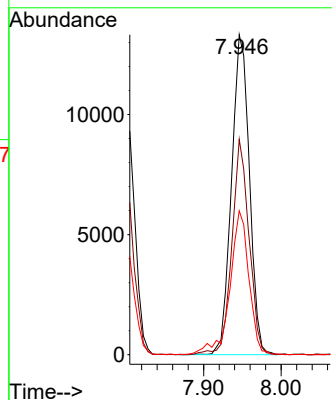
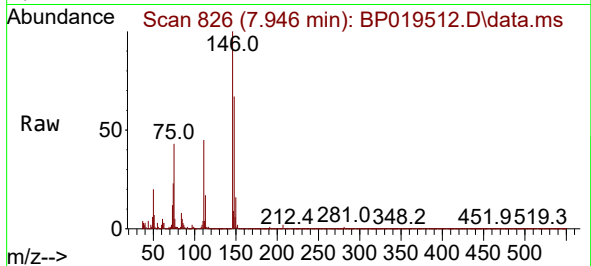




#13
1,4-Dichlorobenzene
Concen: 4.185 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

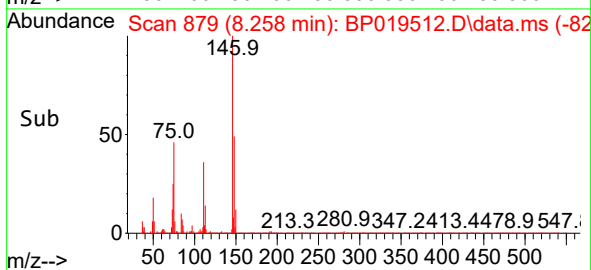
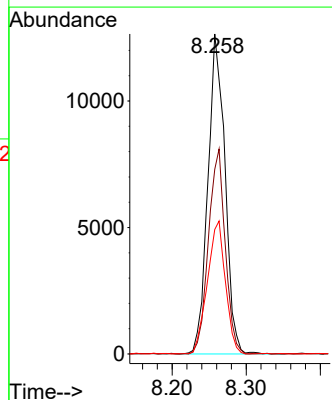
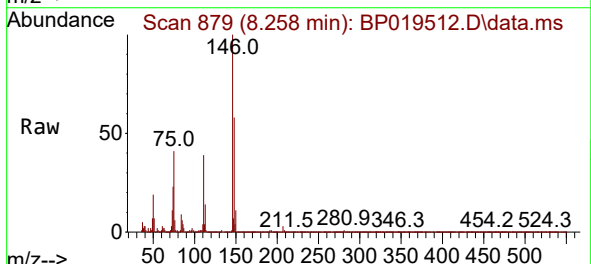
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

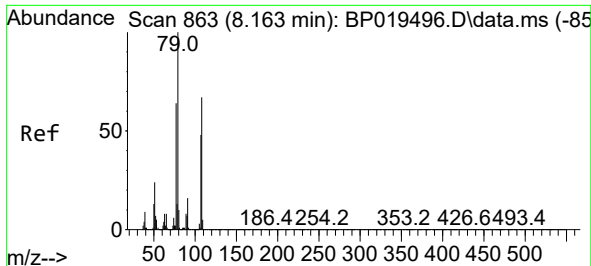
Tgt Ion:146 Resp: 21405
Ion Ratio Lower Upper
146 100
148 67.3 51.9 77.9
111 45.0 35.8 53.6



#14
1,2-Dichlorobenzene
Concen: 4.094 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:146 Resp: 20264
Ion Ratio Lower Upper
146 100
148 57.7 51.4 77.0
111 38.9 37.0 55.6

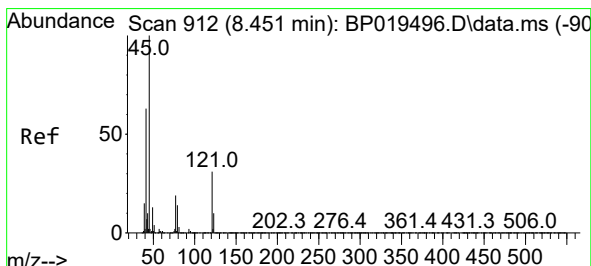
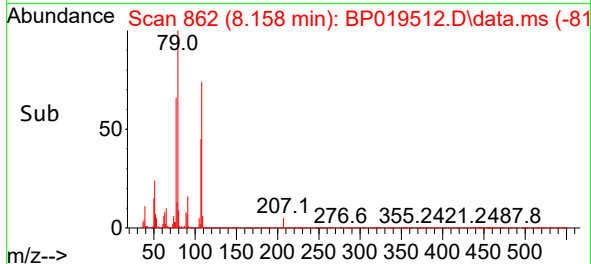
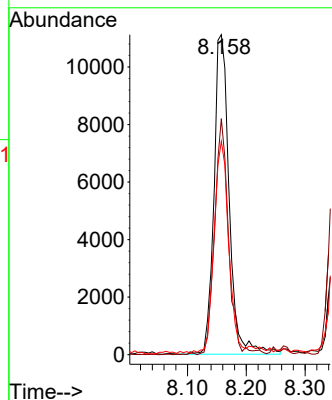
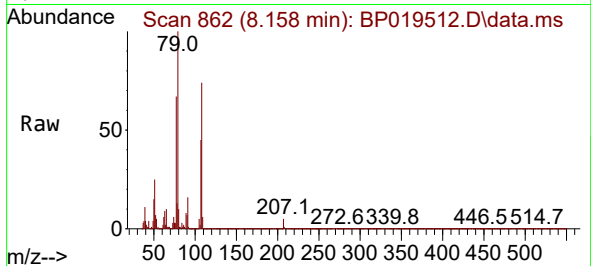




#15
Benzyl Alcohol
Concen: 4.629 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

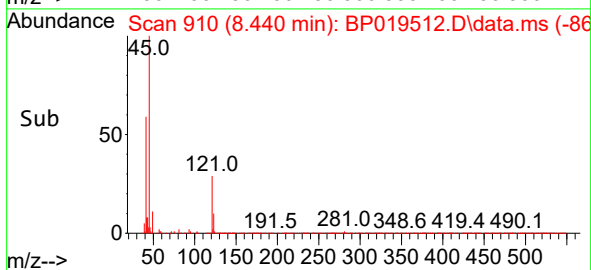
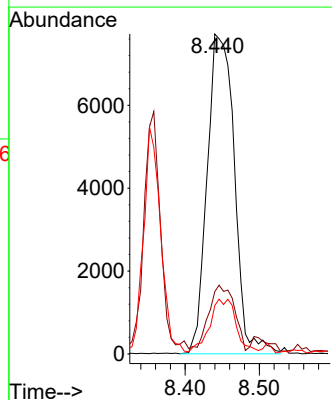
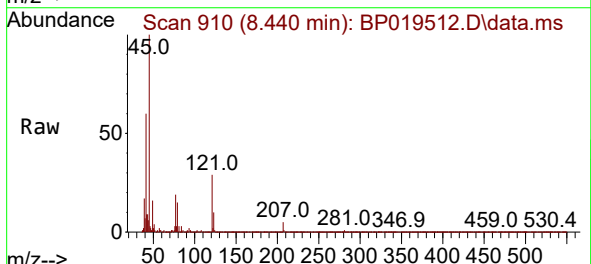
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

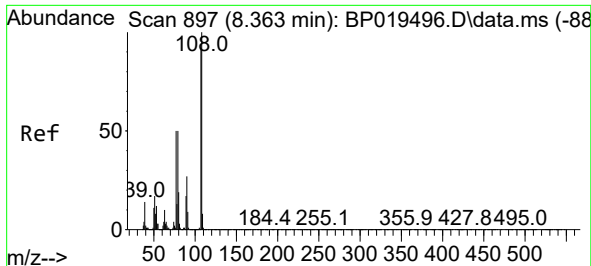
Tgt Ion: 79 Resp: 20042
Ion Ratio Lower Upper
79 100
108 73.8 53.8 80.6
77 66.6 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.689 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.011 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 45 Resp: 19703
Ion Ratio Lower Upper
45 100
77 19.4 0.8 40.8
79 15.1 0.0 35.5

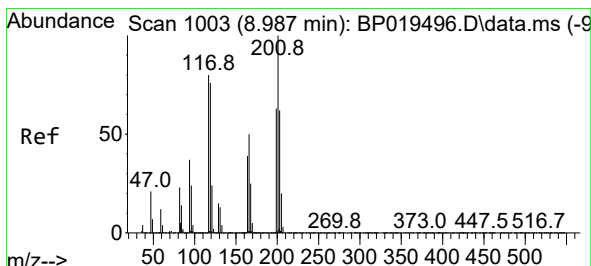
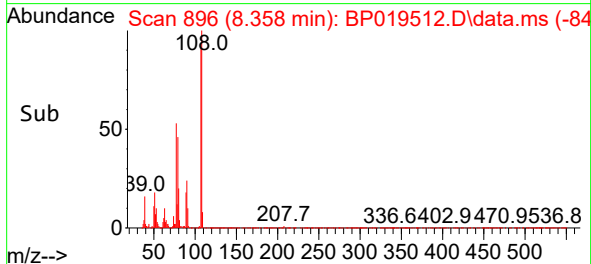
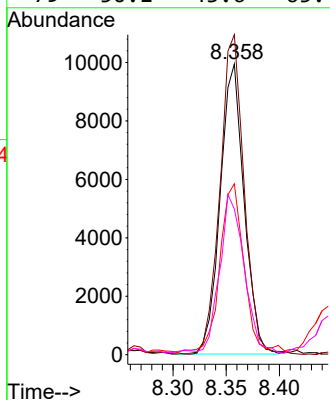
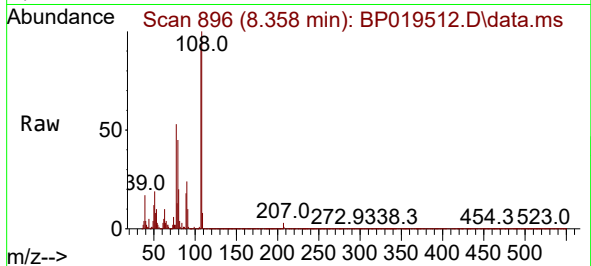




#17
2-Methylphenol
Concen: 4.263 ng
RT: 8.358 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

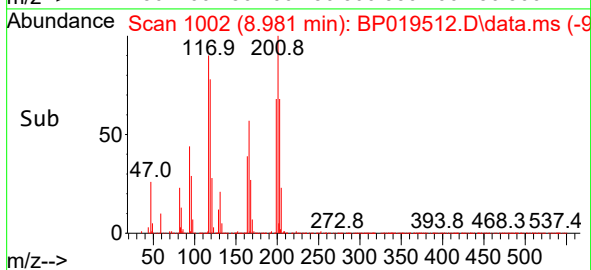
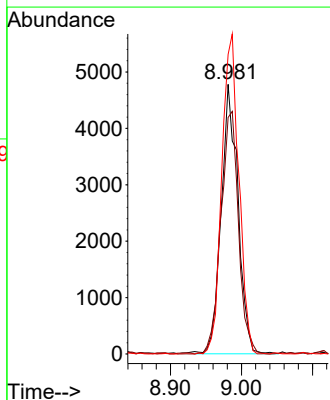
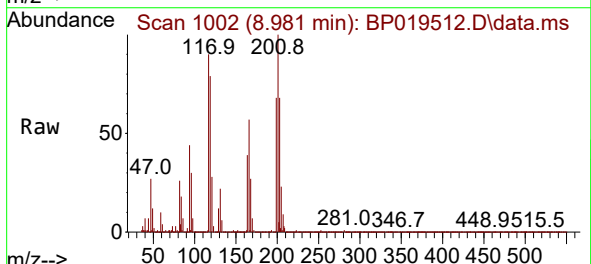
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

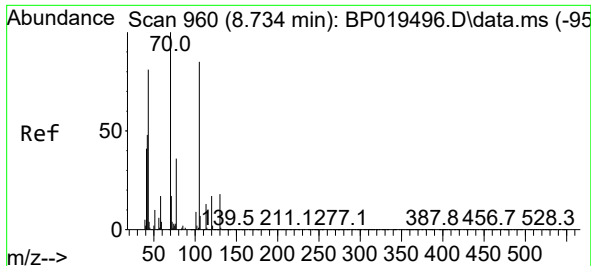
Tgt Ion:	107	Resp:	15501
Ion	Ratio	Lower	Upper
107	100		
108	110.1	87.0	130.6
77	58.8	43.5	65.3
79	50.1	43.6	65.4



#18
Hexachloroethane
Concen: 3.956 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	117	Resp:	7843
Ion	Ratio	Lower	Upper
117	100		
119	87.7	75.5	113.3
201	111.1	99.4	149.2

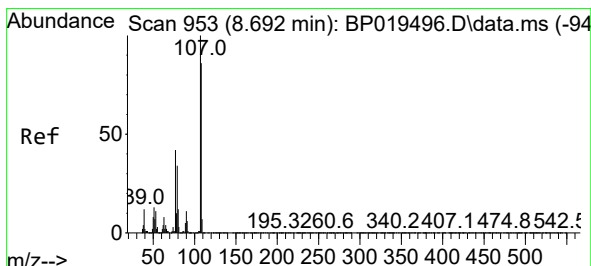
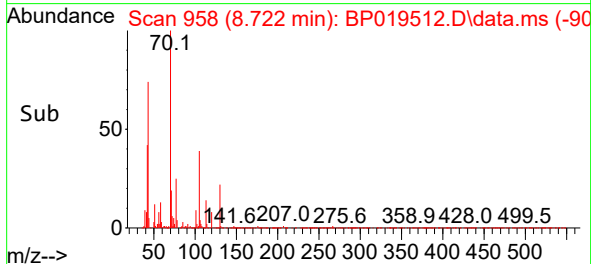
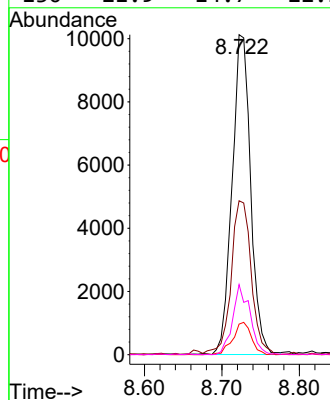
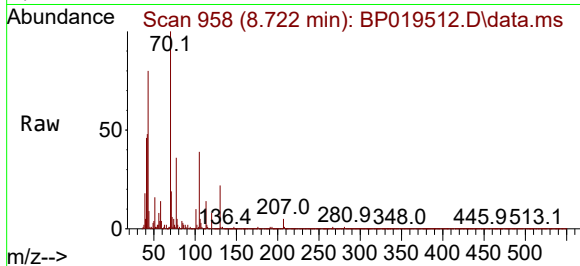




#19
n-Nitroso-di-n-propylamine
Concen: 4.556 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

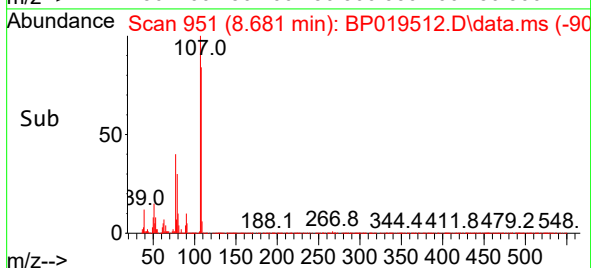
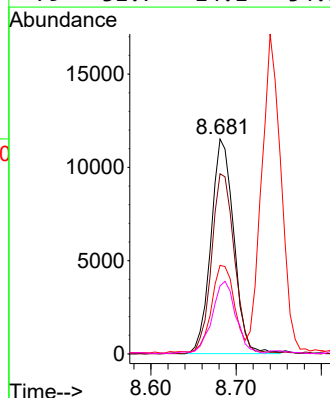
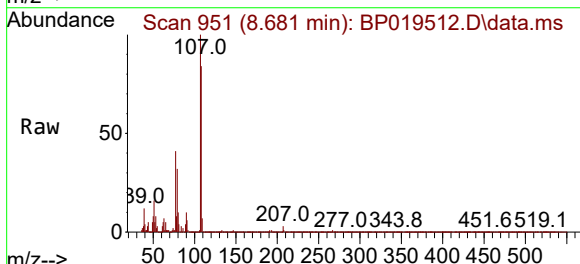
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

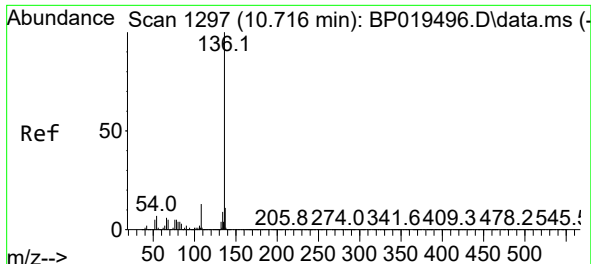
Tgt Ion:	70	Resp:	16864
Ion	Ratio	Lower	Upper
70	100		
42	48.1	39.2	58.8
101	9.6	7.3	10.9
130	21.9	14.7	22.1



#20
3+4-Methylphenols
Concen: 4.316 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	107	Resp:	21419
Ion	Ratio	Lower	Upper
107	100		
108	83.8	65.5	105.5
77	41.3	21.8	61.8
79	31.7	14.1	54.1

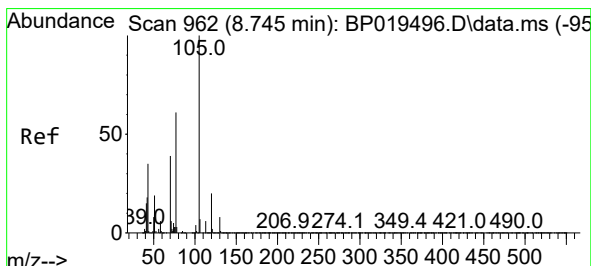
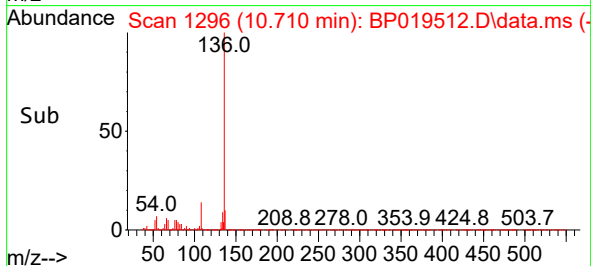
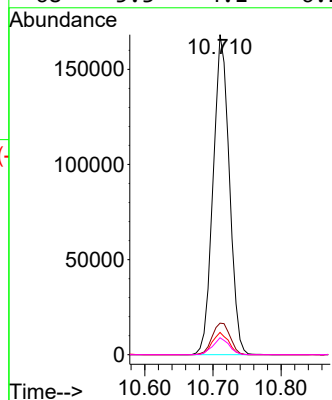
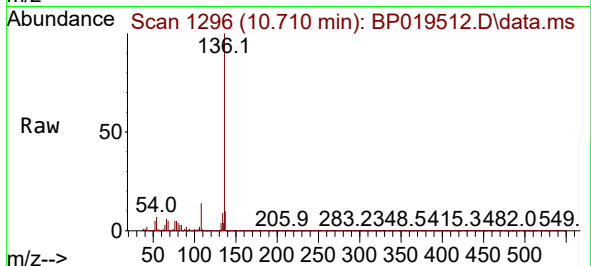




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

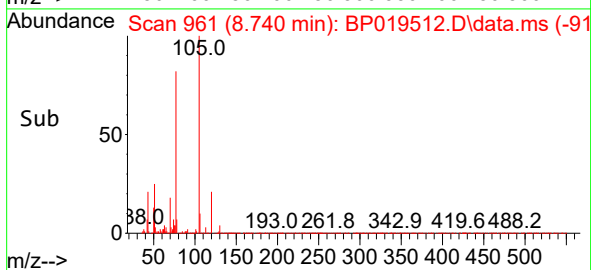
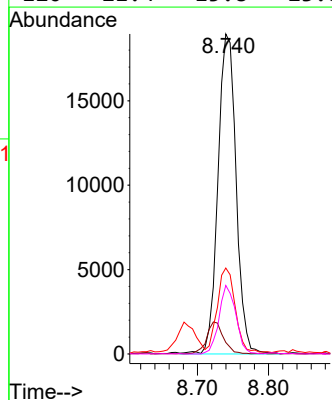
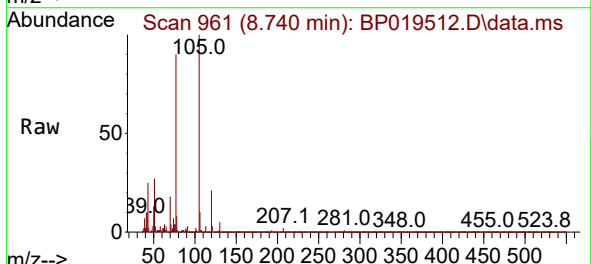
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

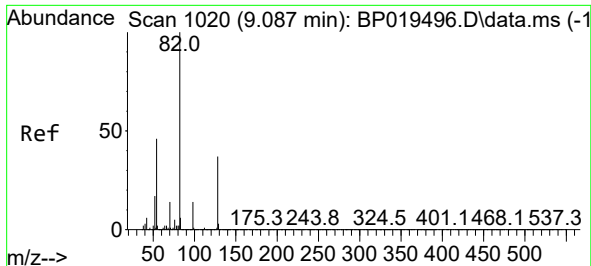
Tgt Ion:	136	Resp:	278811
Ion Ratio	Lower	Upper	
136	100		
137	9.8	8.8	13.2
54	7.0	5.3	7.9
68	5.3	4.1	6.1



#22
Acetophenone
Concen: 4.221 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	105	Resp:	33524
Ion Ratio	Lower	Upper	
105	100		
71	3.6	4.9	7.3#
51	26.8	20.7	31.1
120	21.4	15.8	23.8

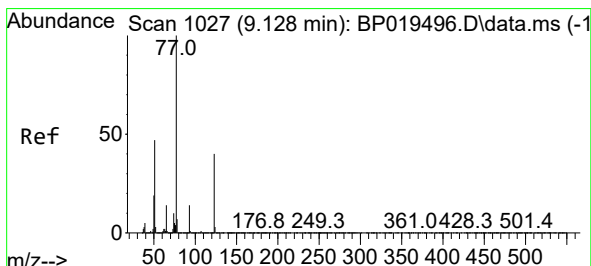
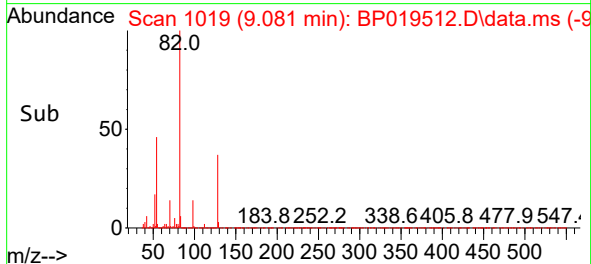
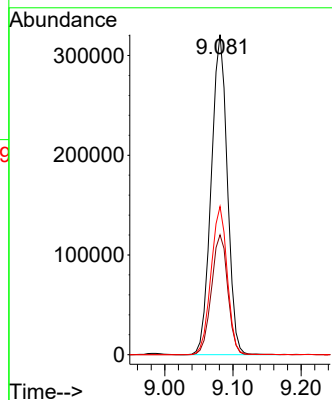
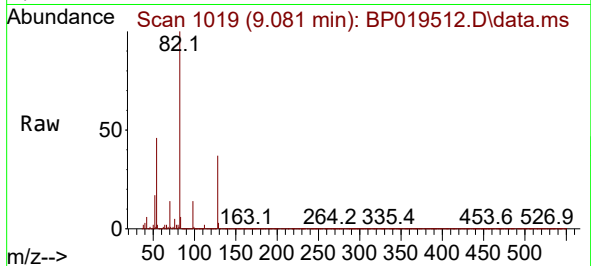




#23
Nitrobenzene-d5
Concen: 81.952 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

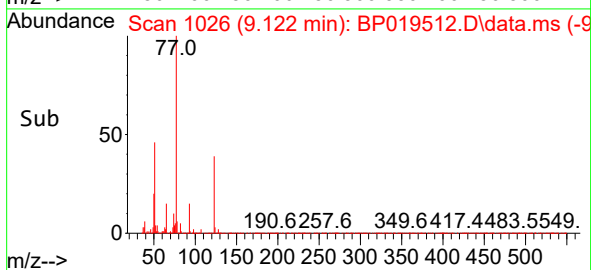
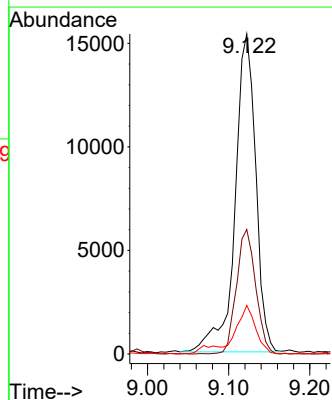
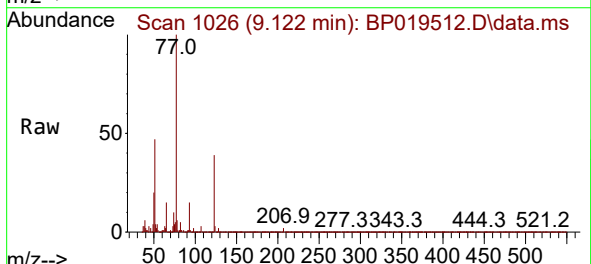
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

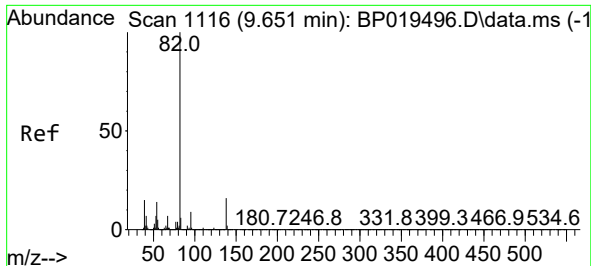
Tgt Ion: 82 Resp: 527310
Ion Ratio Lower Upper
82 100
128 37.5 29.7 44.5
54 46.3 36.8 55.2



#24
Nitrobenzene
Concen: 4.198 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 77 Resp: 27194
Ion Ratio Lower Upper
77 100
123 38.9 32.3 48.5
65 15.2 11.6 17.4

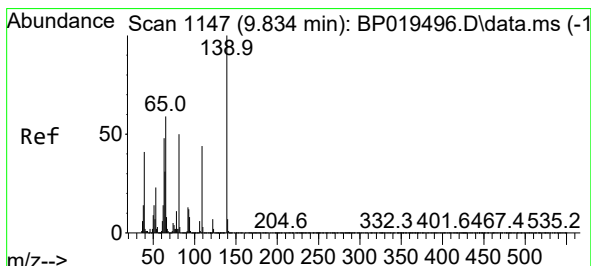
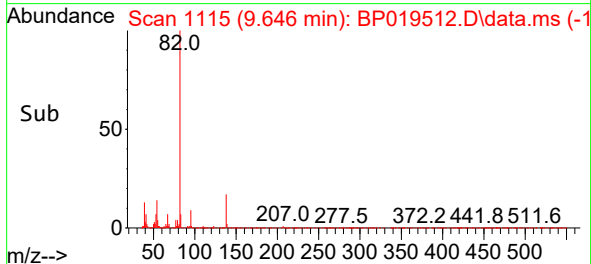
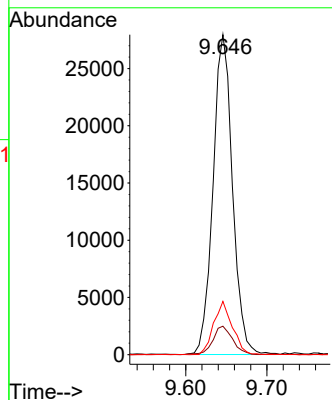
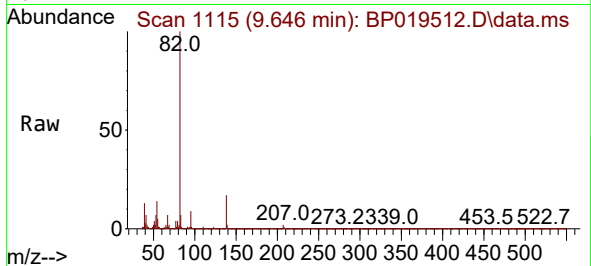




#25
Isophorone
Concen: 4.153 ng
RT: 9.646 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

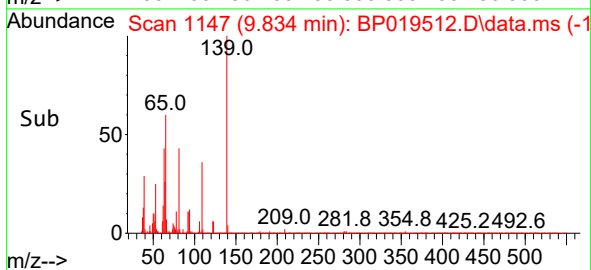
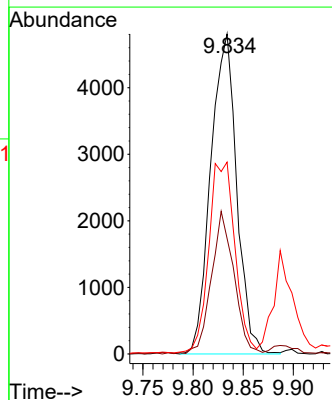
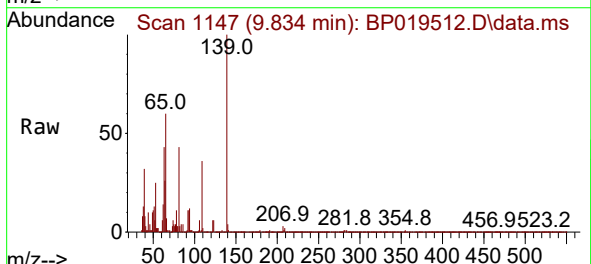
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

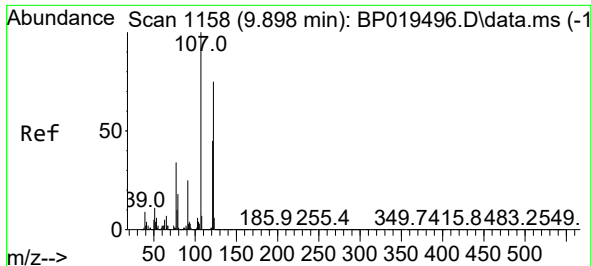
Tgt Ion: 82 Resp: 46539
Ion Ratio Lower Upper
82 100
95 8.9 7.0 10.4
138 16.6 13.1 19.7



#26
2-Nitrophenol
Concen: 3.508 ng
RT: 9.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 139 Resp: 8665
Ion Ratio Lower Upper
139 100
109 36.1 34.9 52.3
65 60.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 4.687 ng

RT: 9.893 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

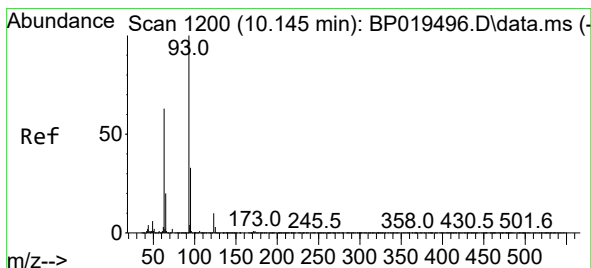
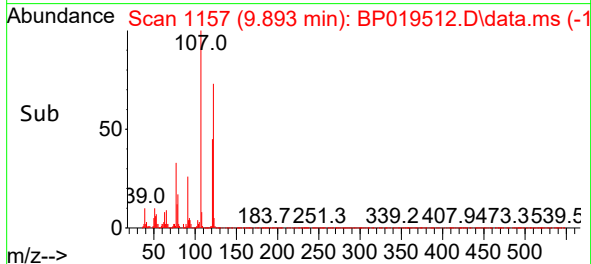
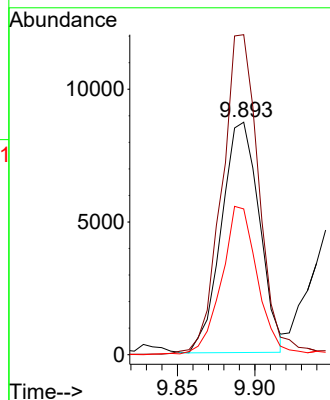
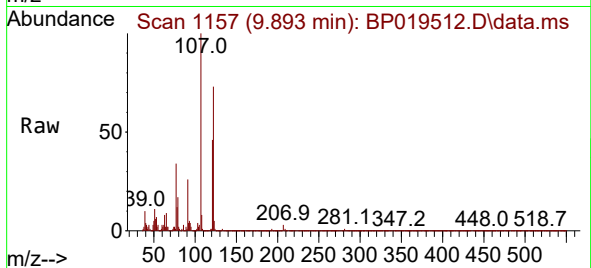
Tgt Ion:122 Resp: 14806

Ion Ratio Lower Upper

122 100

107 137.7 105.9 158.9

121 62.7 47.5 71.3



#28

bis(2-Chloroethoxy)methane

Concen: 4.156 ng

RT: 10.140 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

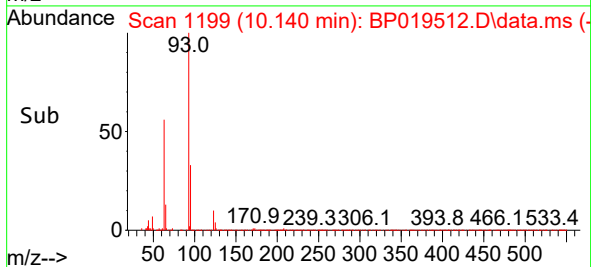
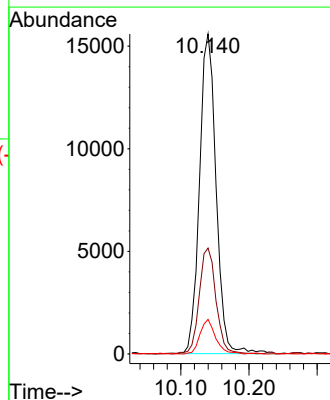
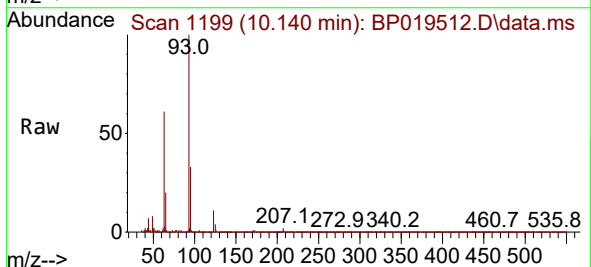
Tgt Ion: 93 Resp: 26349

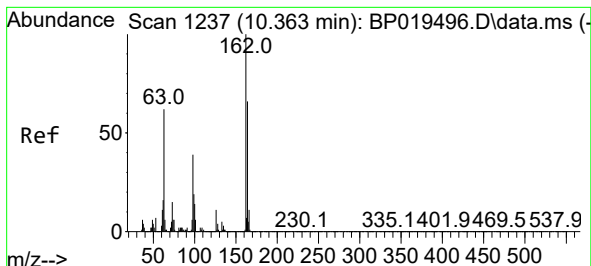
Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.4

123 10.8 8.5 12.7

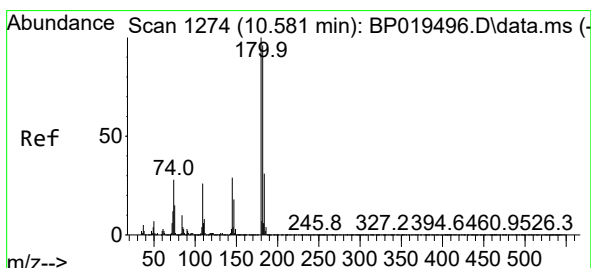
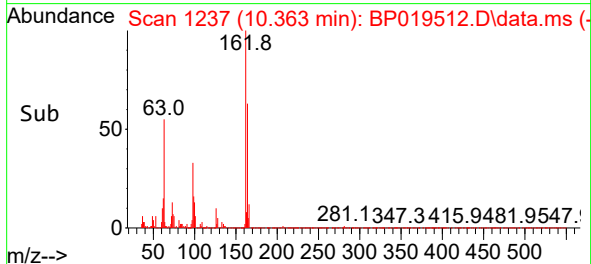
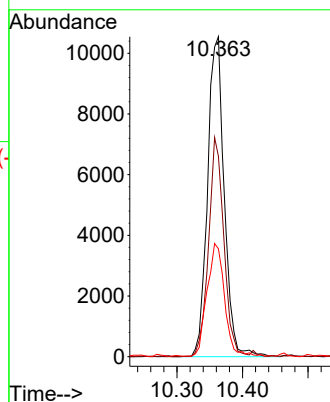
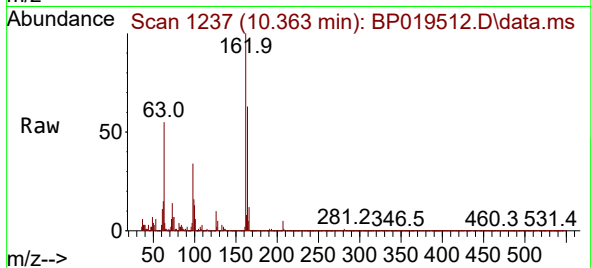




#29
2,4-Dichlorophenol
Concen: 3.913 ng
RT: 10.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

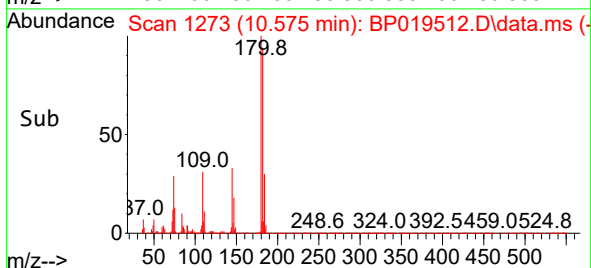
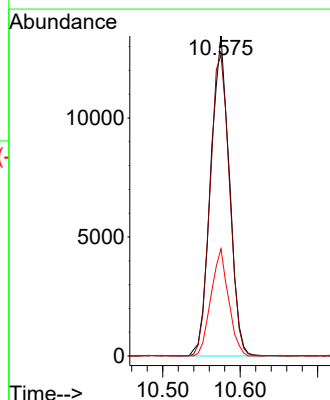
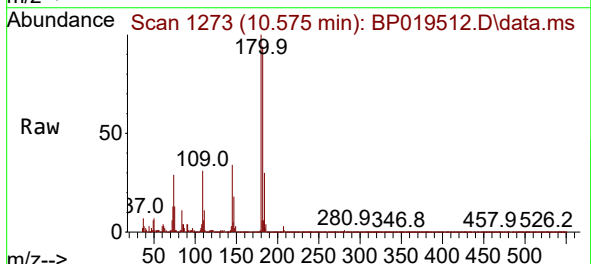
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

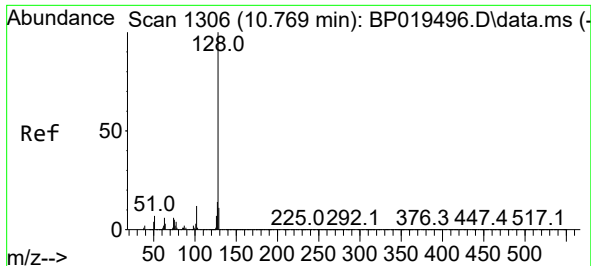
Tgt Ion:162 Resp: 18684
Ion Ratio Lower Upper
162 100
164 62.6 46.0 86.0
98 33.7 18.7 58.7



#30
1,2,4-Trichlorobenzene
Concen: 3.840 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:180 Resp: 22483
Ion Ratio Lower Upper
180 100
182 94.1 77.0 115.6
145 33.5 23.2 34.8

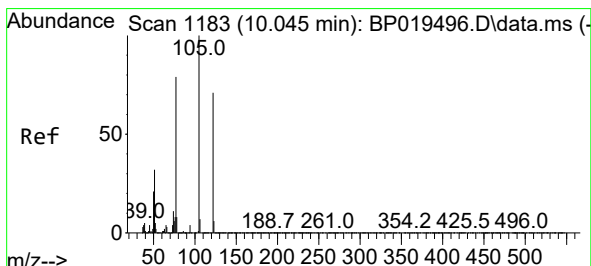
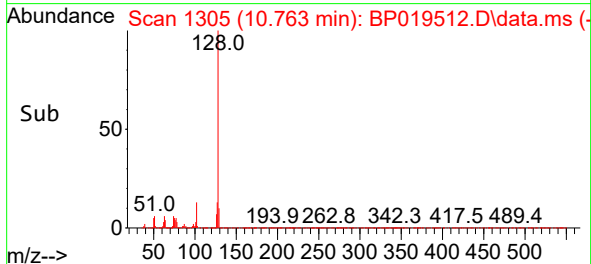
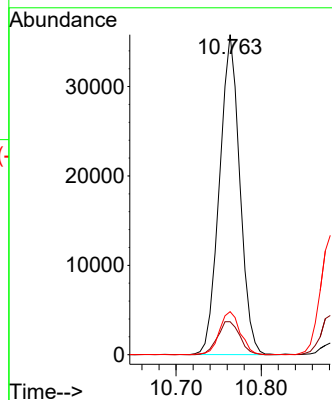
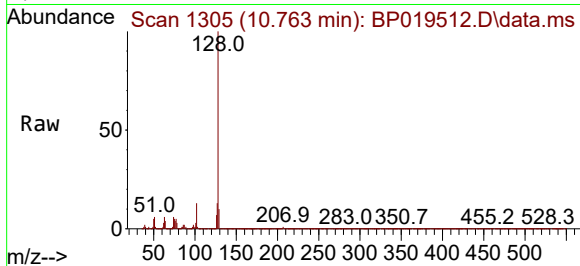




#31
Naphthalene
Concen: 3.877 ng
RT: 10.763 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

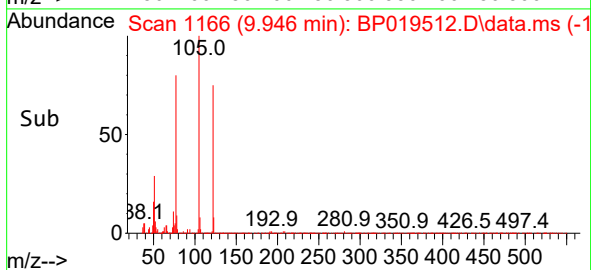
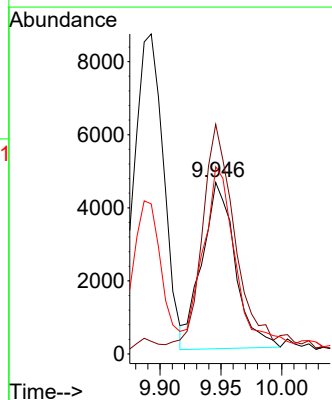
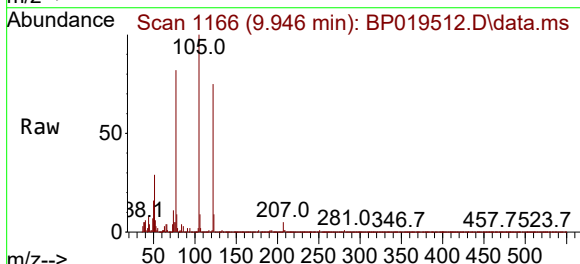
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

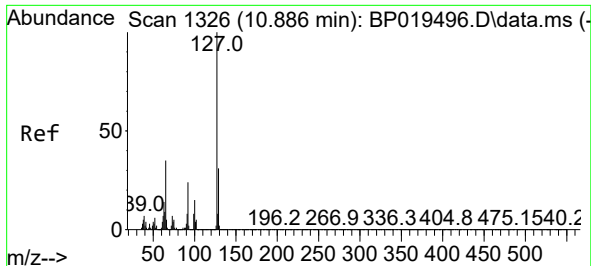
Tgt Ion:128 Resp: 59289
Ion Ratio Lower Upper
128 100
129 10.3 8.6 13.0
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 2.801 ng
RT: 9.946 min Scan# 1166
Delta R.T. -0.100 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:122 Resp: 8621
Ion Ratio Lower Upper
122 100
105 133.8 118.8 158.8
77 109.1 91.7 131.7

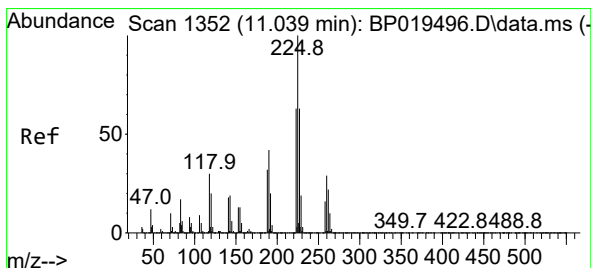
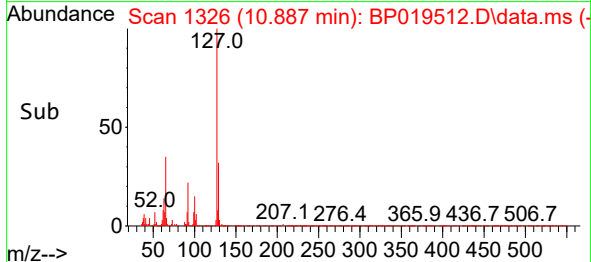
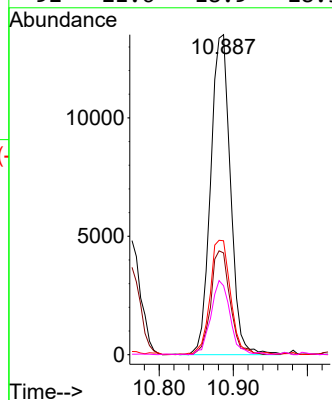
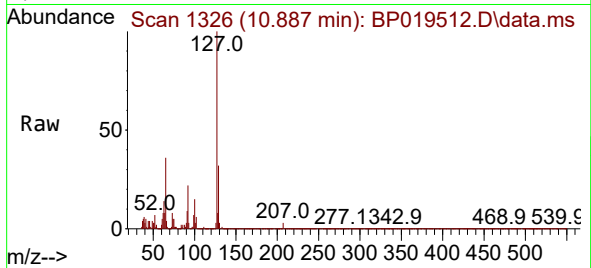




#33
4-Chloroaniline
Concen: 4.435 ng
RT: 10.887 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

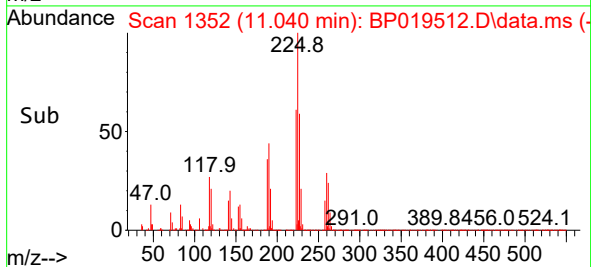
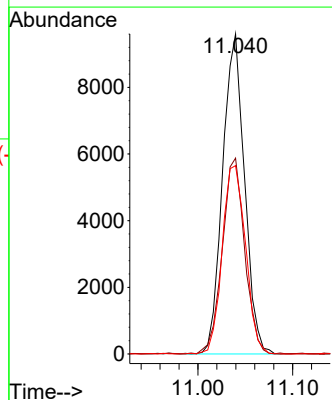
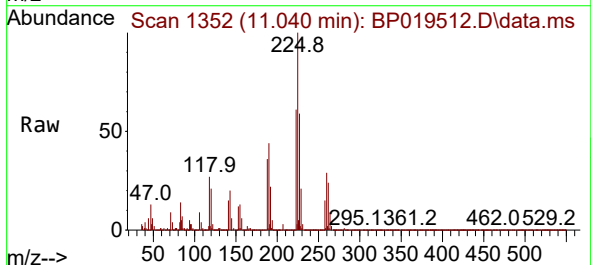
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

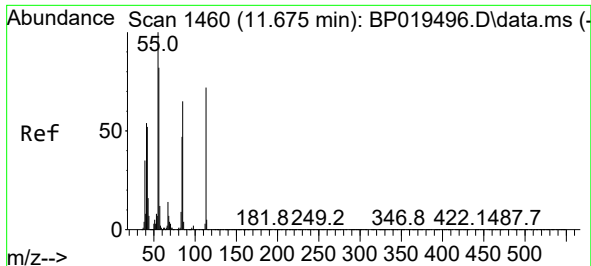
Tgt Ion:	127	Resp:	25080
Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.6	36.8
65	35.6	28.2	42.4
92	21.6	18.9	28.3



#34
Hexachlorobutadiene
Concen: 3.557 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	225	Resp:	15430
Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.5	75.7
227	58.9	50.2	75.2

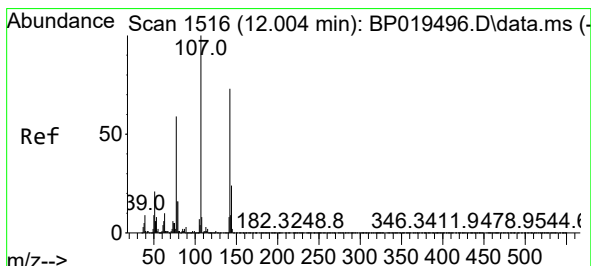
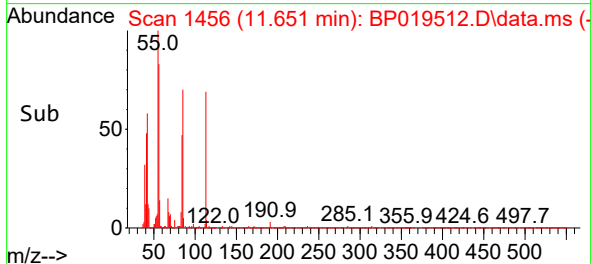
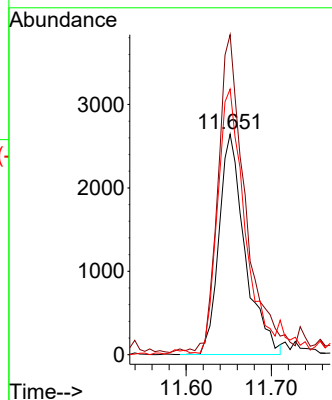
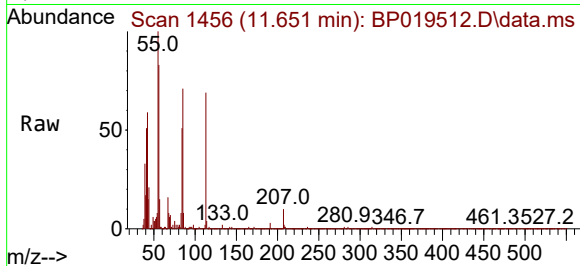




#35
Caprolactam
Concen: 4.129 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

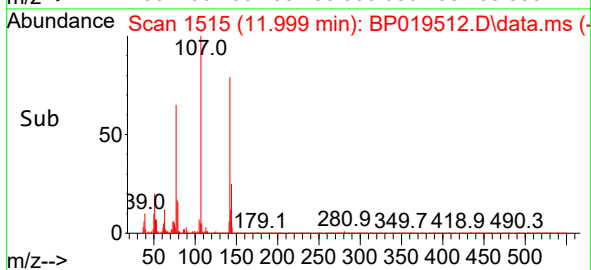
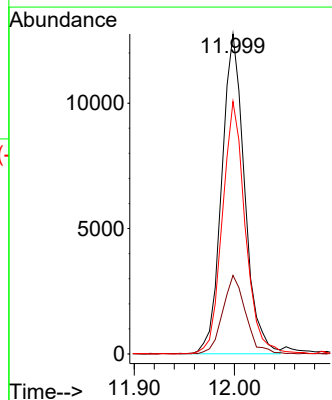
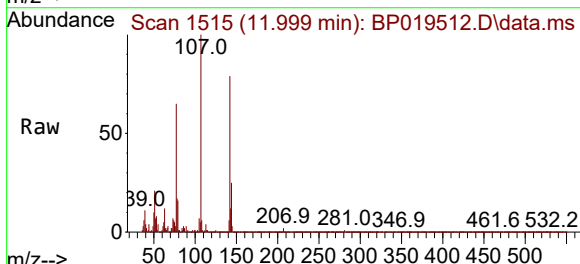
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

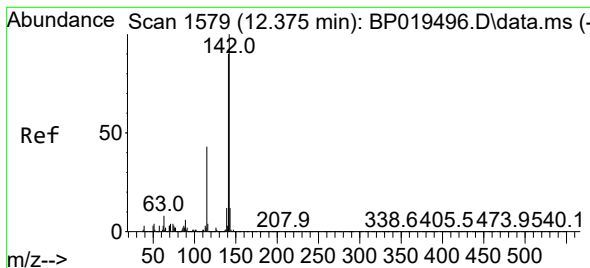
Tgt Ion:113 Resp: 5581
Ion Ratio Lower Upper
113 100
55 145.1 120.0 160.0
56 120.4 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 3.878 ng
RT: 11.999 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:107 Resp: 20191
Ion Ratio Lower Upper
107 100
144 24.5 19.0 28.4
142 78.9 58.6 88.0

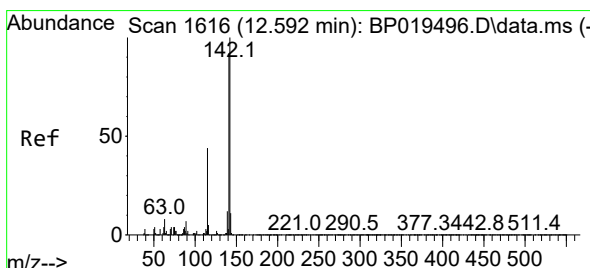
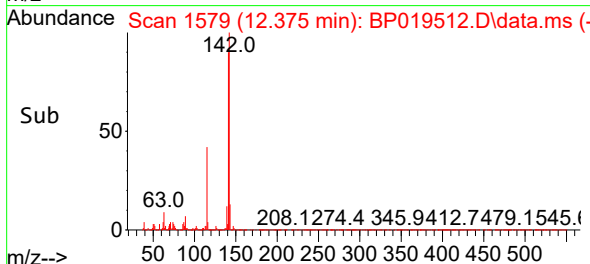
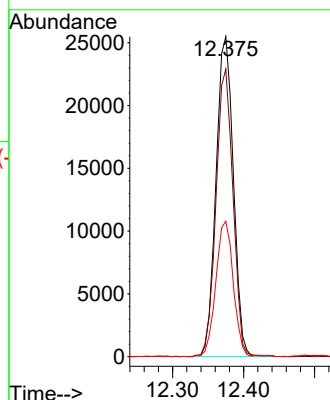
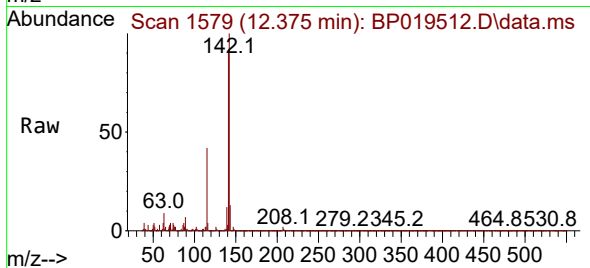




#37
2-Methylnaphthalene
Concen: 4.060 ng
RT: 12.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

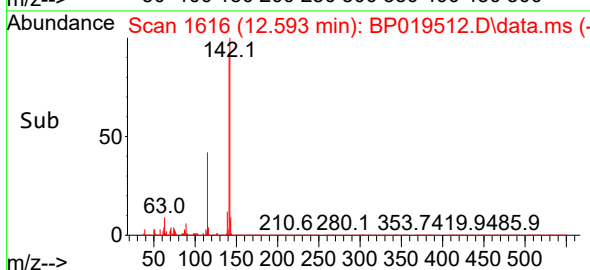
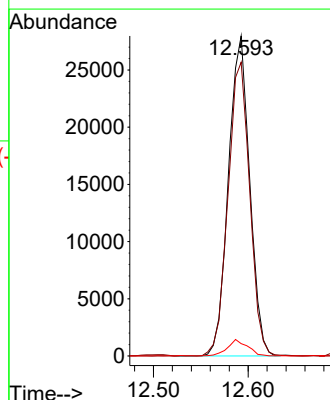
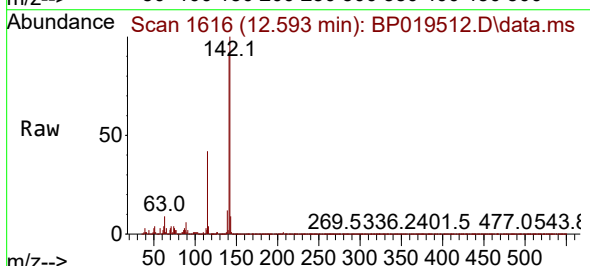
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

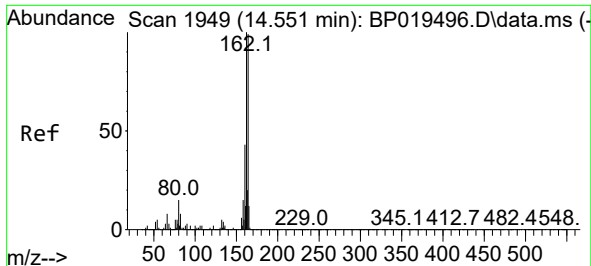
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4
115	42.3	34.2	51.2



#38
1-Methylnaphthalene
Concen: 4.193 ng
RT: 12.593 min Scan# 1616
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.0	111.0
116	3.8	3.7	5.5

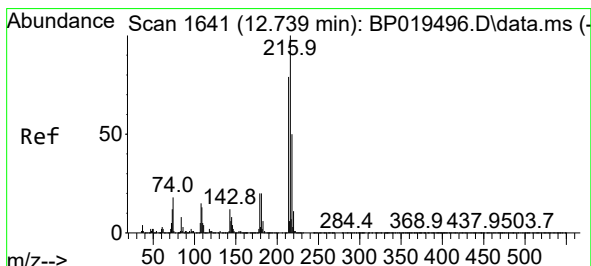
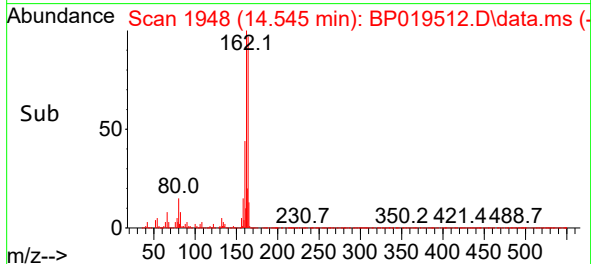
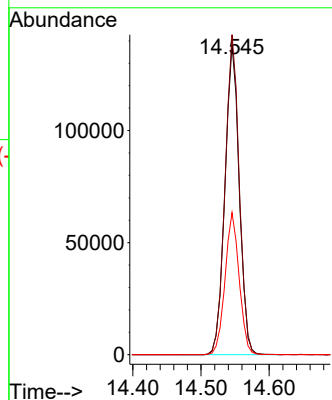
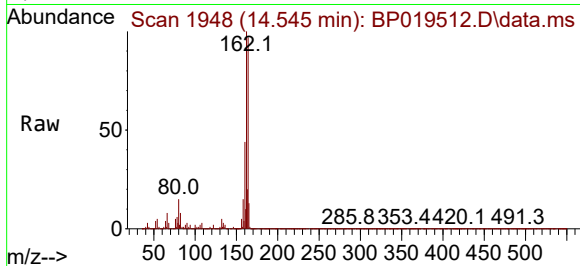




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

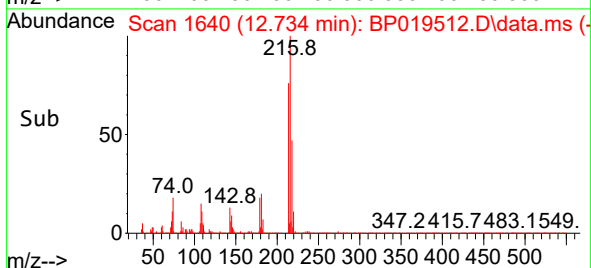
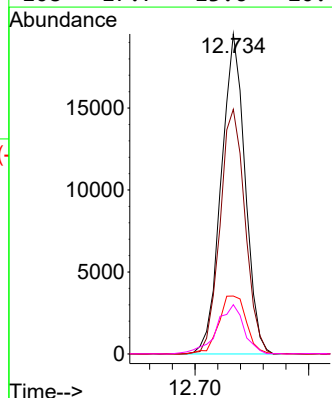
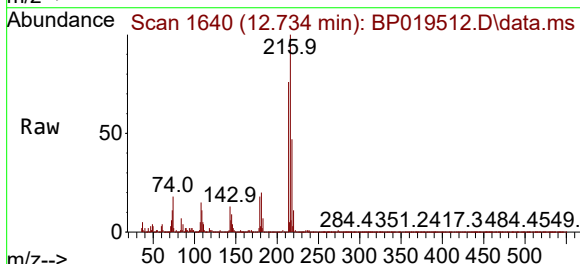
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

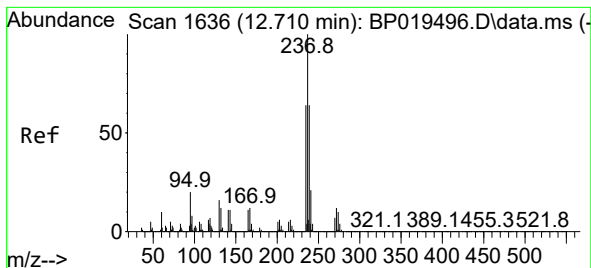
Tgt Ion:164 Resp: 201242
Ion Ratio Lower Upper
164 100
162 103.2 81.2 121.8
160 45.8 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.673 ng
RT: 12.734 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:216 Resp: 28506
Ion Ratio Lower Upper
216 100
214 80.0 62.8 94.2
179 20.9 16.6 24.8
108 17.7 13.6 20.4

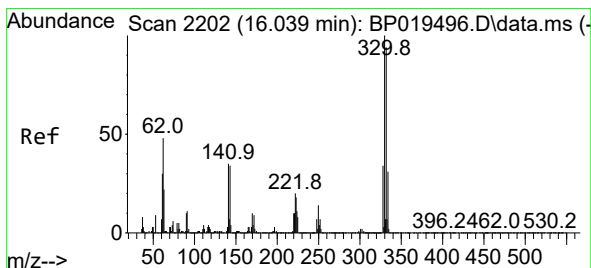
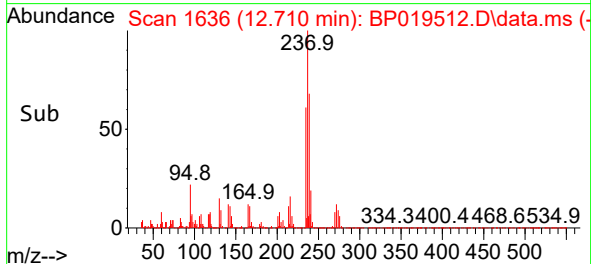
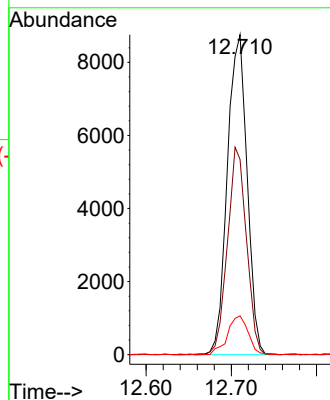
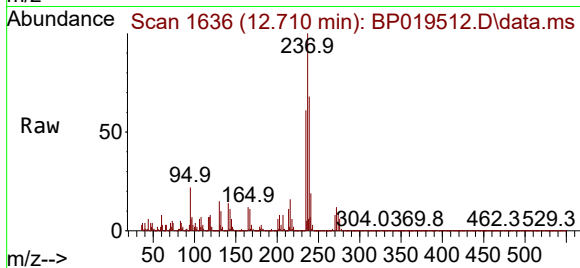




#41
Hexachlorocyclopentadiene
Concen: 4.021 ng
RT: 12.710 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

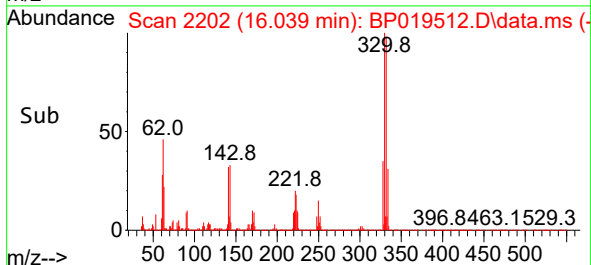
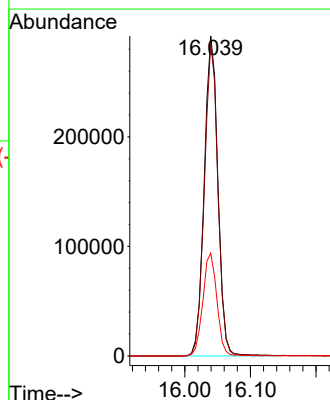
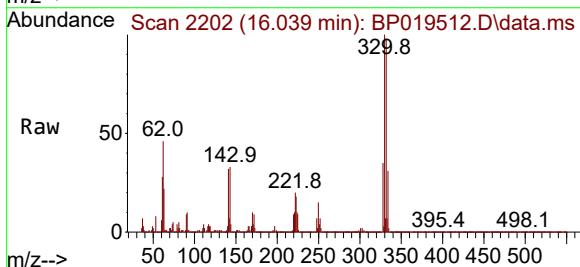
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

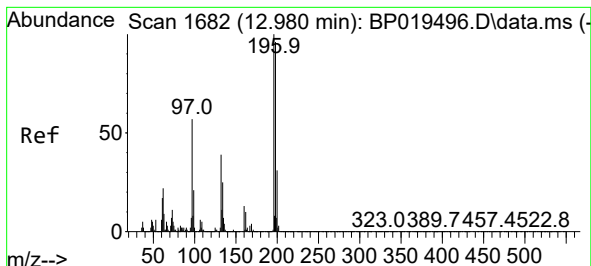
Tgt Ion: 237 Resp: 14097
Ion Ratio Lower Upper
237 100
235 61.0 43.7 83.7
272 12.2 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 144.681 ng
RT: 16.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion: 330 Resp: 425112
Ion Ratio Lower Upper
330 100
332 96.7 77.2 115.8
141 32.9 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 3.510 ng

RT: 12.981 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

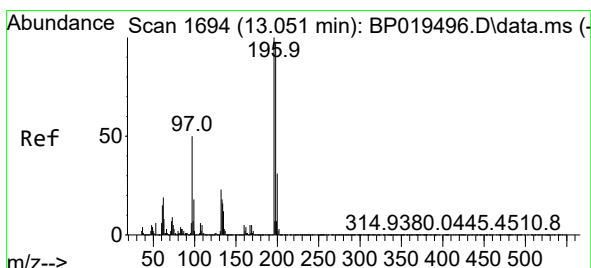
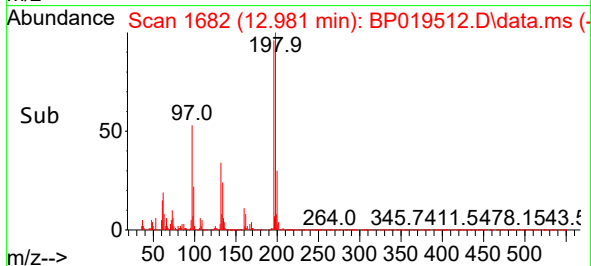
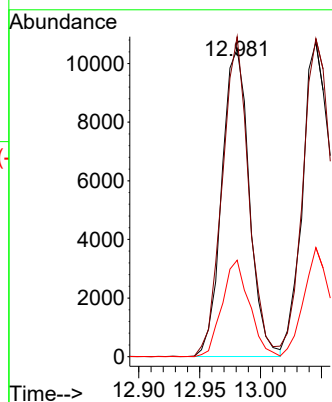
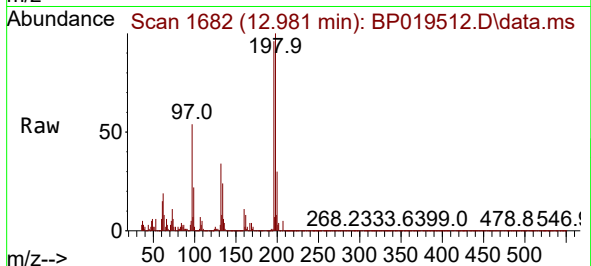
Tgt Ion:196 Resp: 16495

Ion Ratio Lower Upper

196 100

198 103.9 76.7 115.1

200 31.4 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 3.443 ng

RT: 13.046 min Scan# 1693

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Tgt Ion:196 Resp: 17767

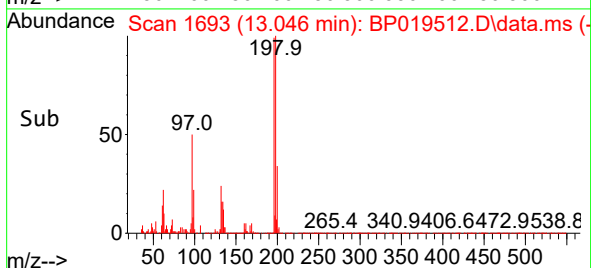
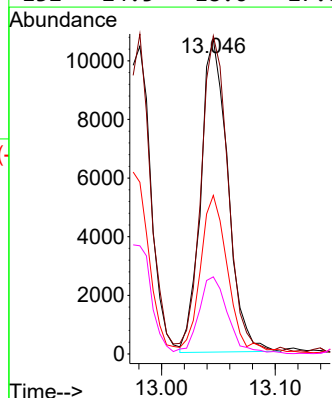
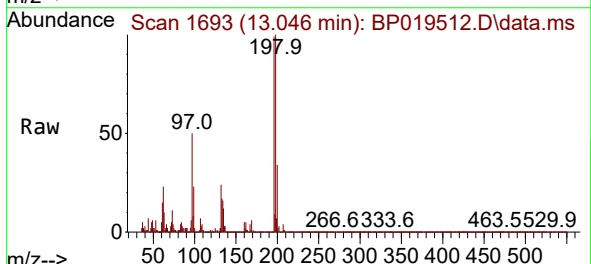
Ion Ratio Lower Upper

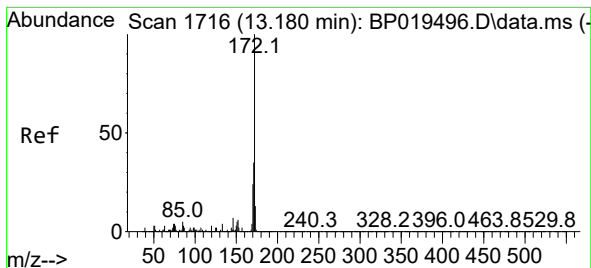
196 100

198 101.1 77.5 116.3

97 50.4 39.9 59.9

132 24.5 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 78.252 ng

RT: 13.175 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

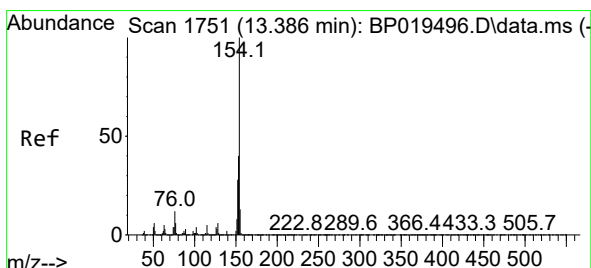
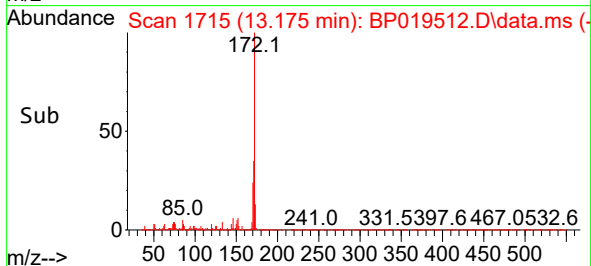
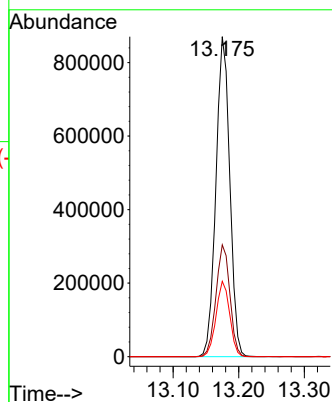
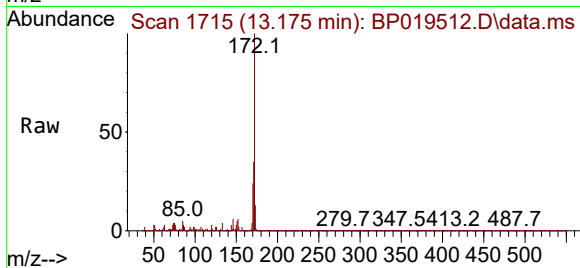
Tgt Ion:172 Resp: 1273848

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 3.851 ng

RT: 13.387 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

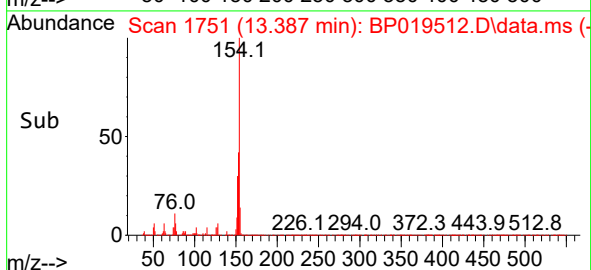
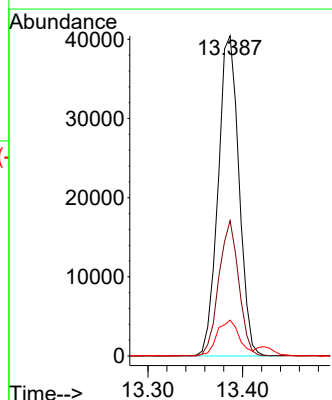
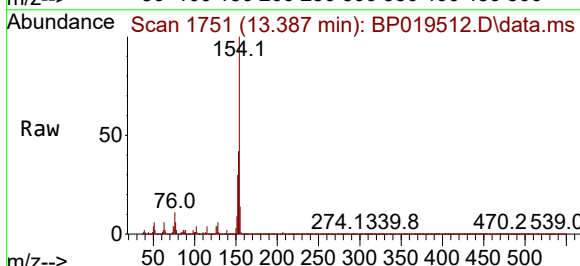
Tgt Ion:154 Resp: 61849

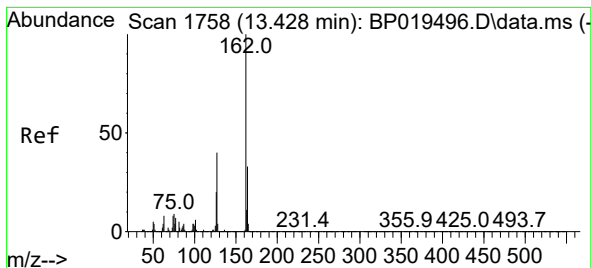
Ion Ratio Lower Upper

154 100

153 42.3 20.2 60.2

76 11.2 0.0 31.6





#47

2-Chloronaphthalene

Concen: 3.634 ng

RT: 13.422 min Scan# 1757

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

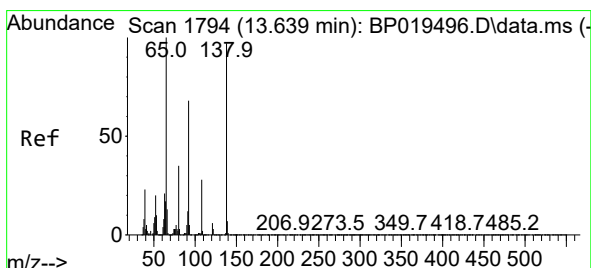
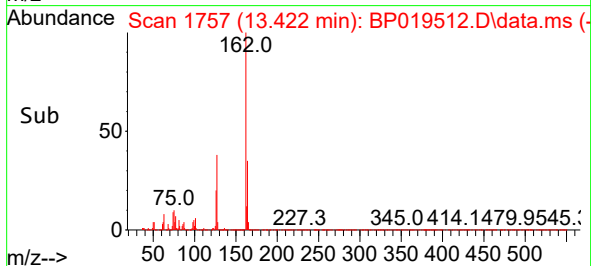
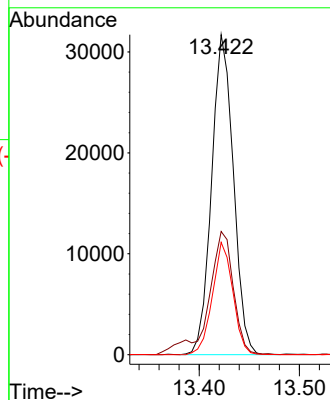
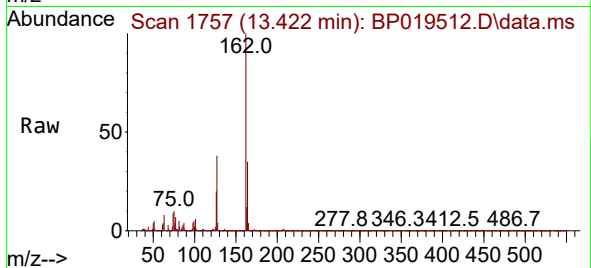
Tgt Ion:162 Resp: 47908

Ion Ratio Lower Upper

162 100

127 38.5 32.1 48.1

164 35.1 26.7 40.1



#48

2-Nitroaniline

Concen: 3.600 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

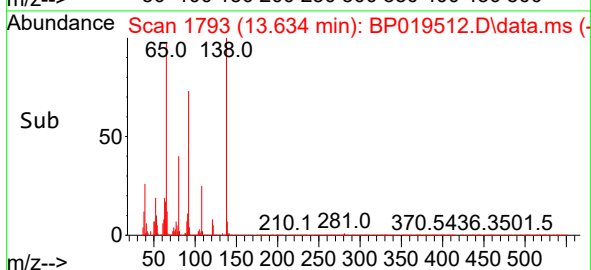
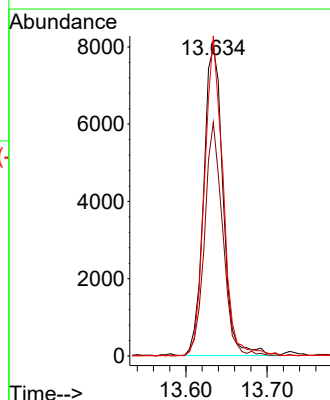
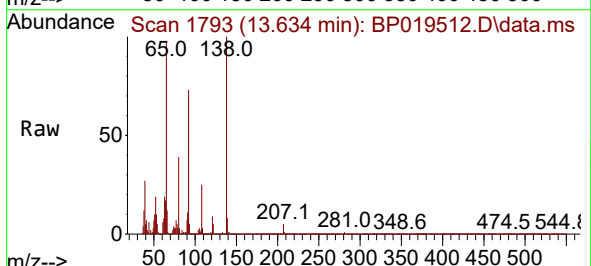
Tgt Ion: 65 Resp: 13271

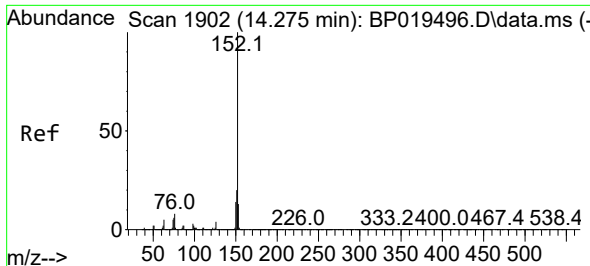
Ion Ratio Lower Upper

65 100

92 75.6 54.7 82.1

138 103.6 77.8 116.6

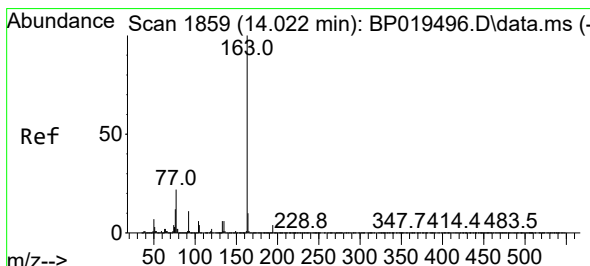
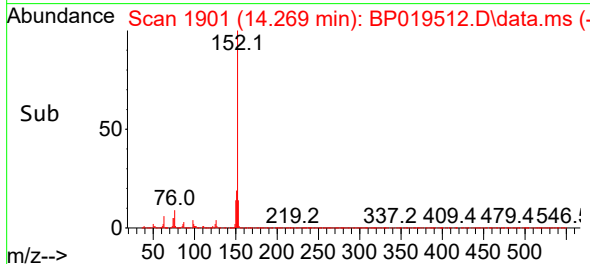
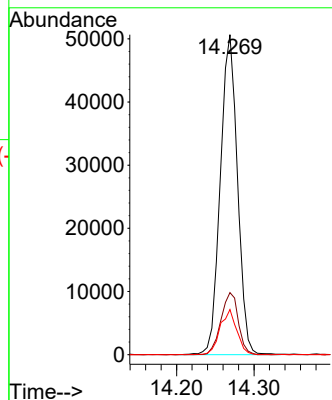
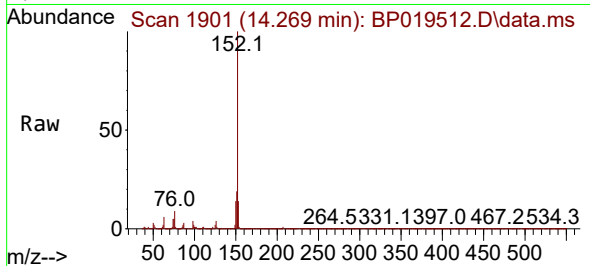




#49
Acenaphthylene
Concen: 4.223 ng
RT: 14.269 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

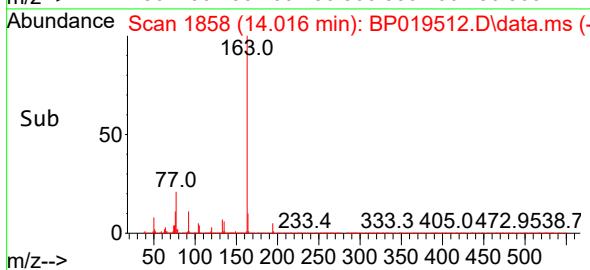
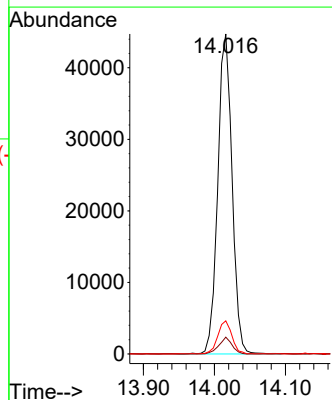
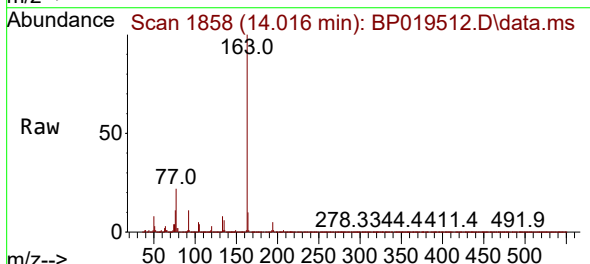
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

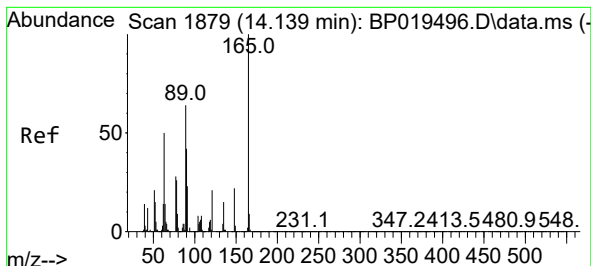
Tgt Ion:152 Resp: 78115
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 14.1 10.6 15.8



#50
Dimethylphthalate
Concen: 4.040 ng
RT: 14.016 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:163 Resp: 62243
Ion Ratio Lower Upper
163 100
194 5.2 3.4 5.2#
164 10.3 7.8 11.6

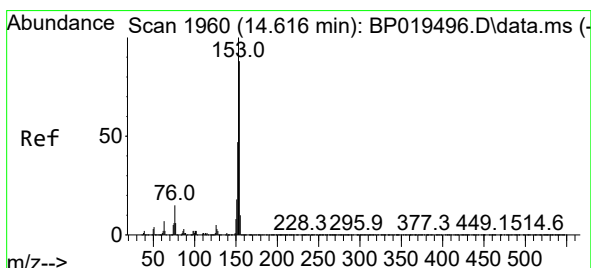
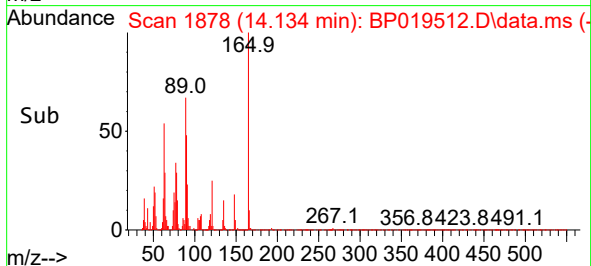
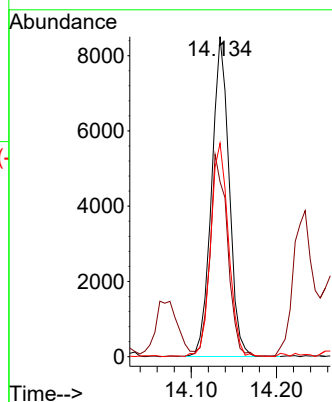
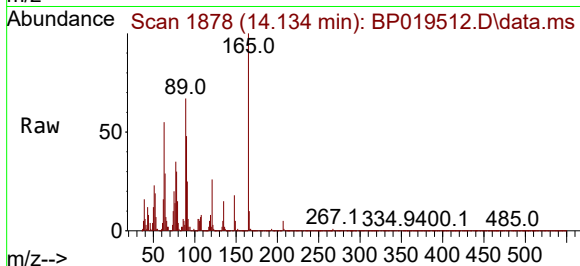




#51
2,6-Dinitrotoluene
Concen: 3.584 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

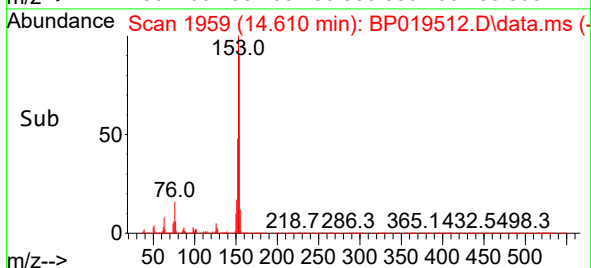
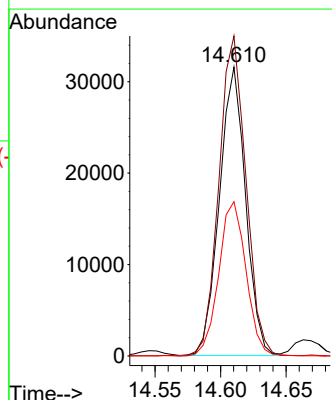
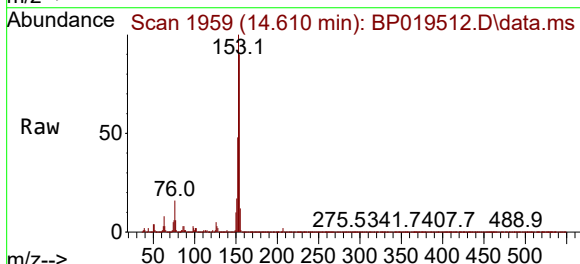
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

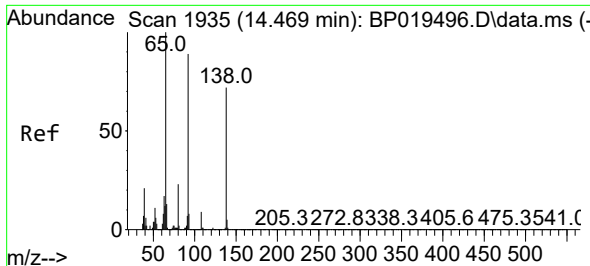
Tgt Ion:165	Resp:	12131
Ion Ratio	Lower	Upper
165	100	
63	54.7	50.4 75.6
89	66.7	51.7 77.5



#52
Acenaphthene
Concen: 3.823 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:154	Resp:	43886
Ion Ratio	Lower	Upper
154	100	
153	110.8	90.5 135.7
152	53.4	42.1 63.1

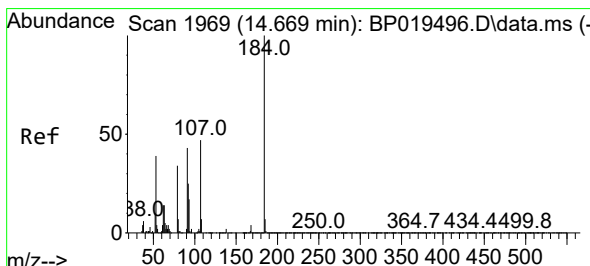
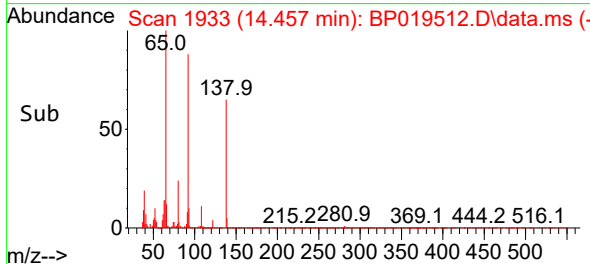
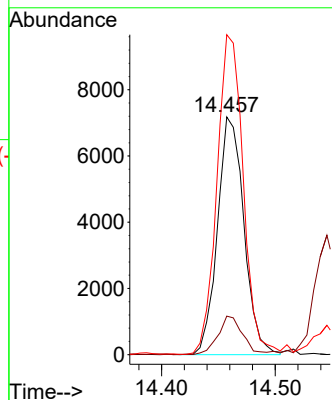
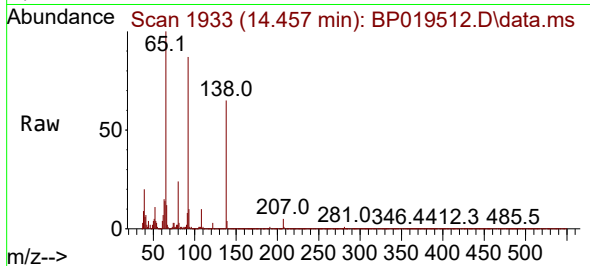




#53
3-Nitroaniline
Concen: 3.738 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

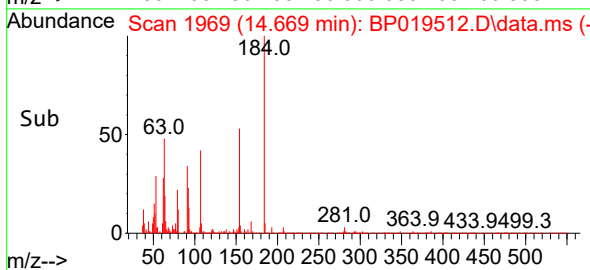
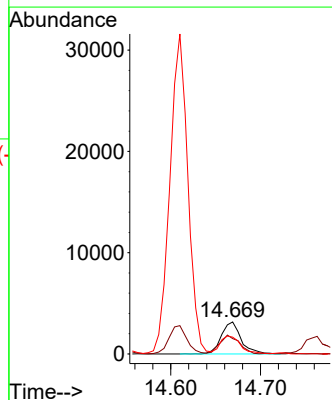
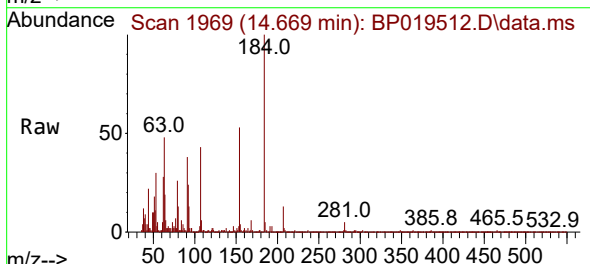
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

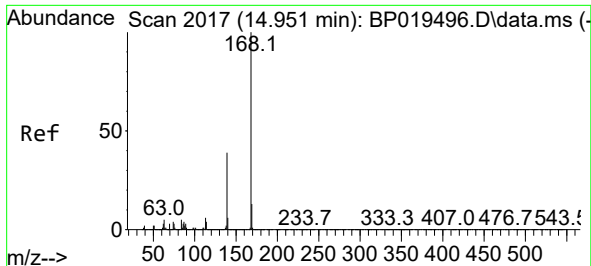
Tgt Ion:138 Resp: 11626
Ion Ratio Lower Upper
138 100
108 16.2 9.7 14.5#
92 134.6 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 2.757 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:184 Resp: 4845
Ion Ratio Lower Upper
184 100
63 47.9 50.5 75.7#
154 52.6 53.4 80.0#

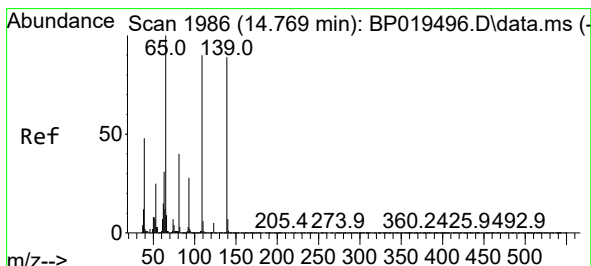
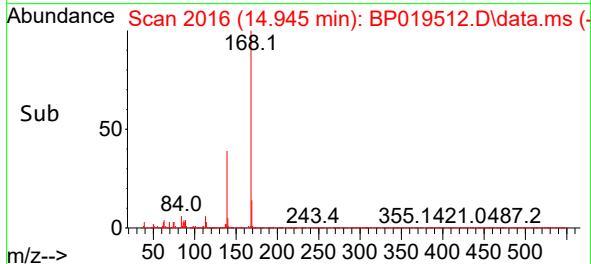
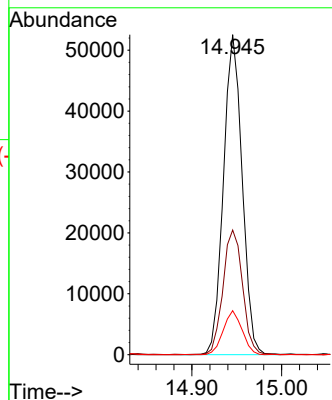
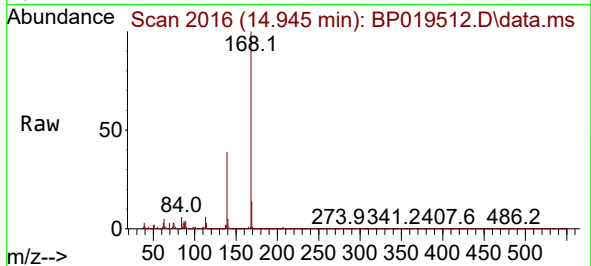




#55
Dibenzenofuran
Concen: 4.060 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

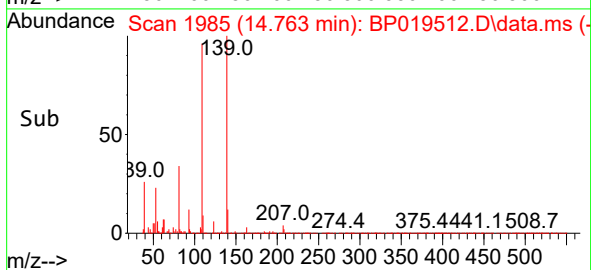
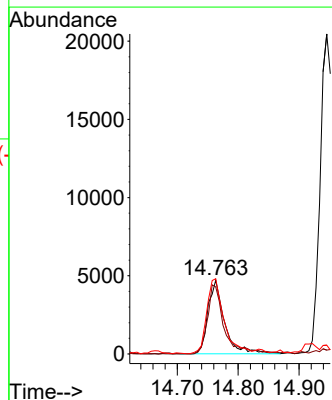
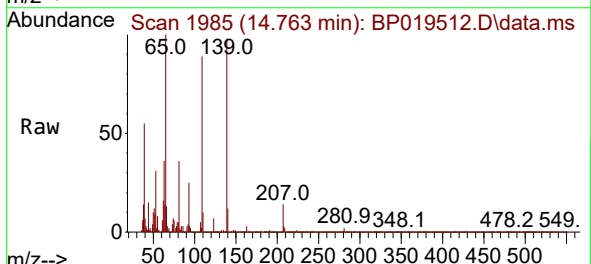
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

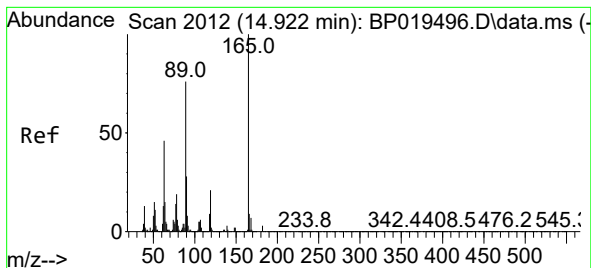
Tgt Ion:168 Resp: 75915
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 13.7 10.3 15.5



#56
4-Nitrophenol
Concen: 3.486 ng
RT: 14.763 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:139 Resp: 8887
Ion Ratio Lower Upper
139 100
109 90.8 82.0 122.0
65 102.0 92.9 132.9

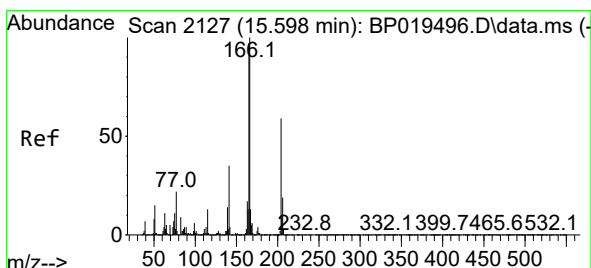
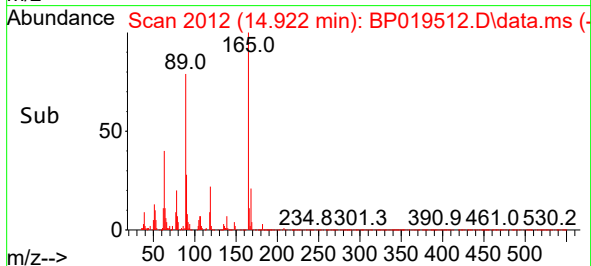
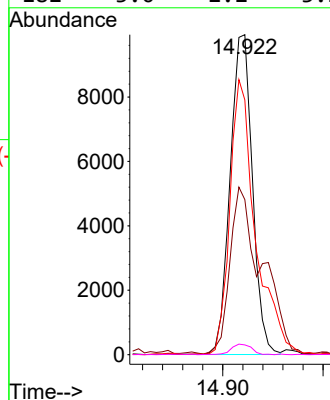
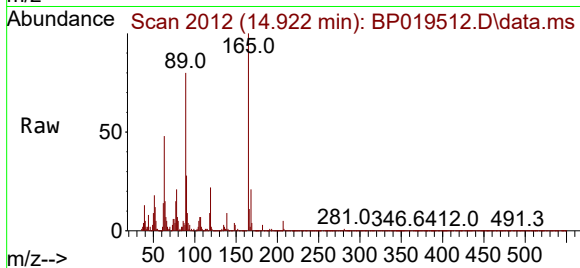




#57
2,4-Dinitrotoluene
Concen: 3.453 ng
RT: 14.922 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

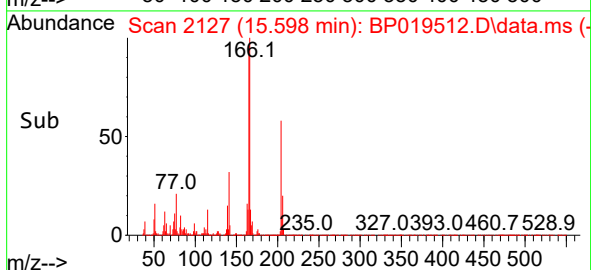
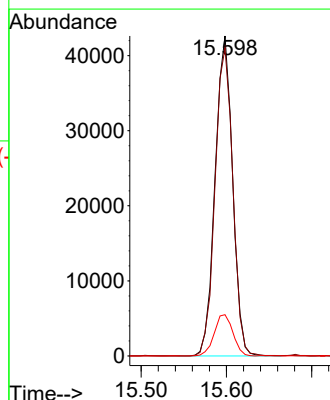
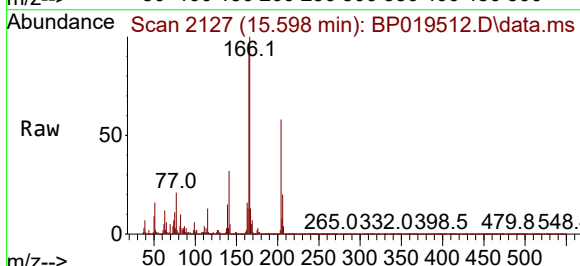
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

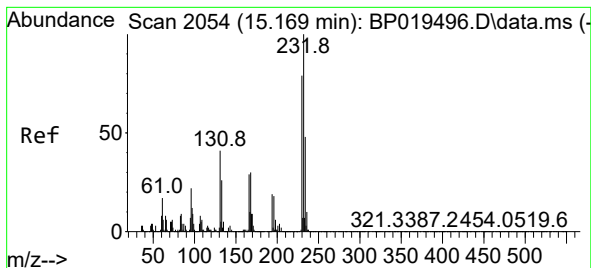
Tgt Ion:	165	Resp:	15314
Ion	Ratio	Lower	Upper
165	100		
63	48.5	36.9	55.3
89	79.6	61.1	91.7
182	3.0	2.2	3.2



#58
Fluorene
Concen: 4.081 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	166	Resp:	60778
Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.8	116.8
167	12.9	10.7	16.1

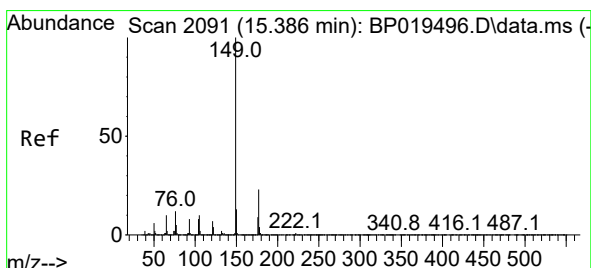
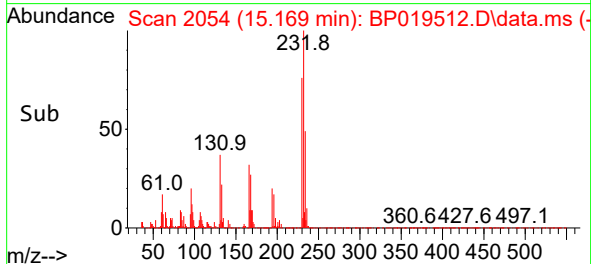
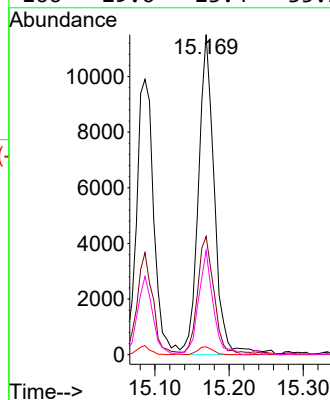
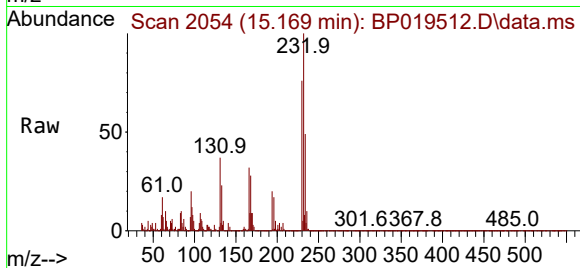




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.963 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

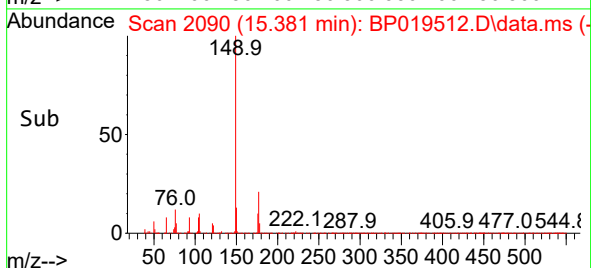
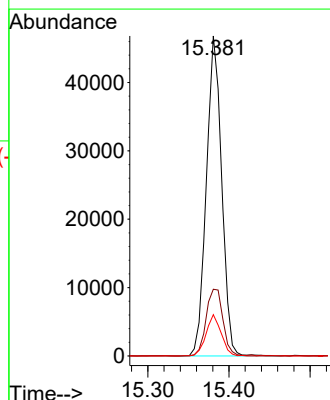
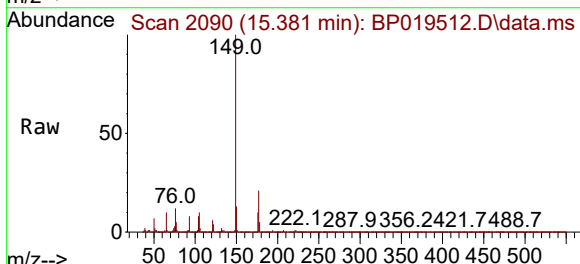
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

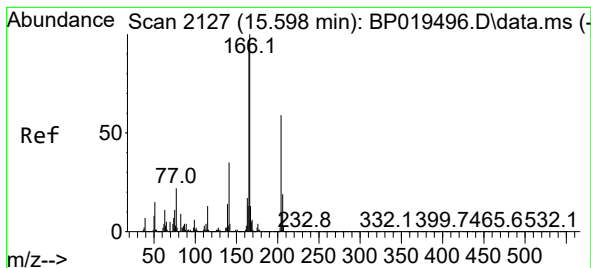
Tgt Ion:	232	Resp:	17201
Ion	Ratio	Lower	Upper
232	100		
131	37.0	32.4	48.6
130	2.5	1.9	2.9
166	29.6	23.4	35.2



#60
Diethylphthalate
Concen: 4.000 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	149	Resp:	61286
Ion	Ratio	Lower	Upper
149	100		
177	20.9	18.2	27.2
150	12.9	10.2	15.4

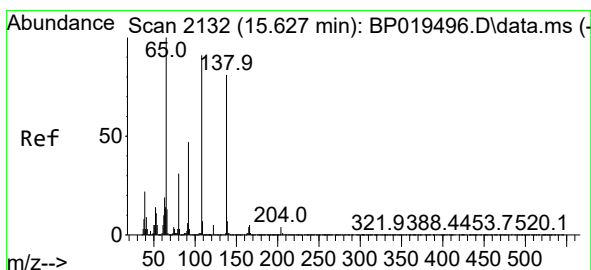
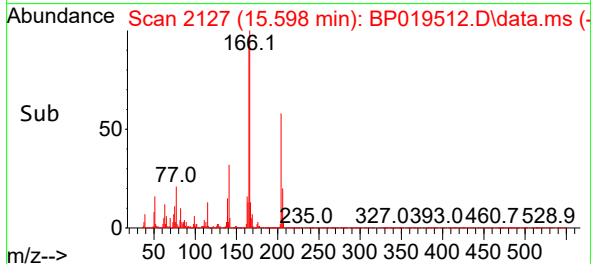
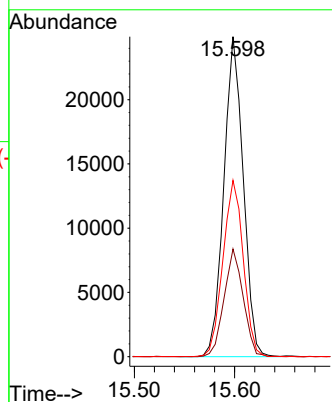
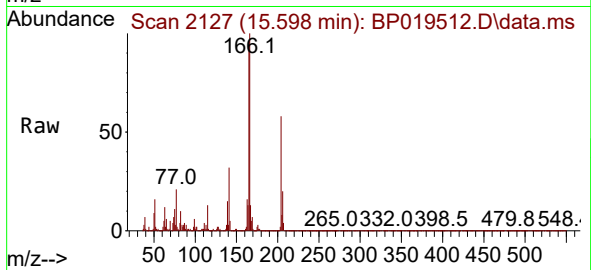




#61
4-Chlorophenyl-phenylether
Concen: 3.990 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

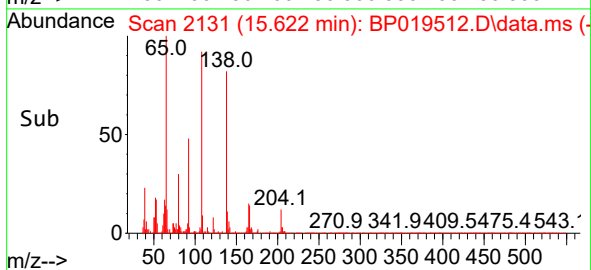
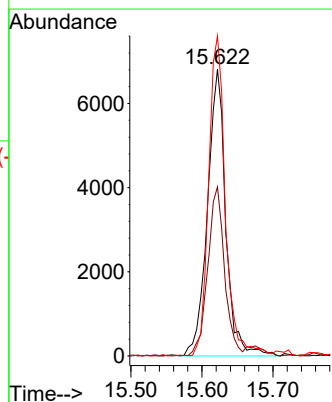
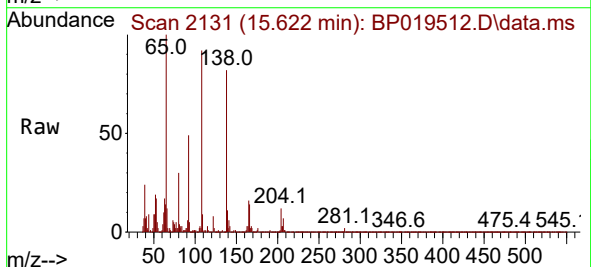
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

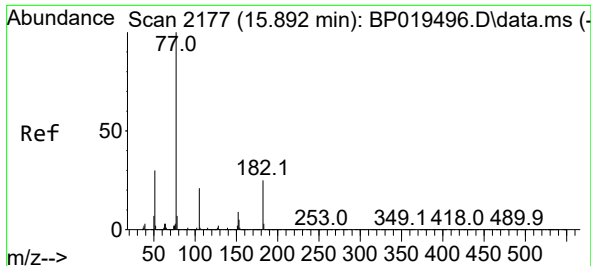
Tgt Ion:204 Resp: 33401
Ion Ratio Lower Upper
204 100
206 33.7 26.5 39.7
141 55.1 48.5 72.7



#62
4-Nitroaniline
Concen: 3.747 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:138 Resp: 12216
Ion Ratio Lower Upper
138 100
92 59.0 38.3 78.3
108 111.6 91.2 131.2

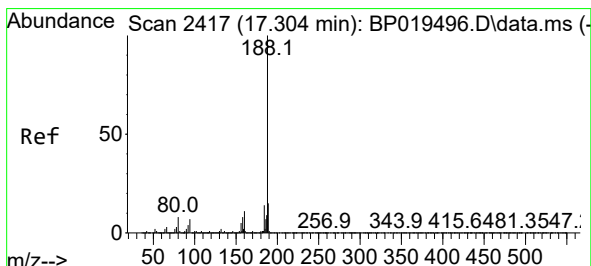
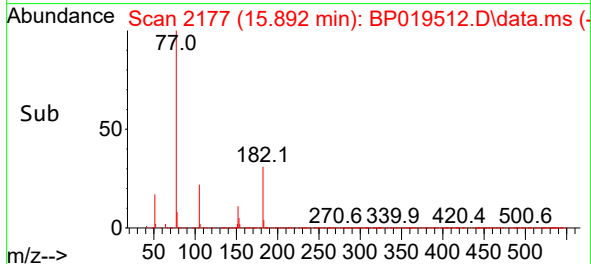
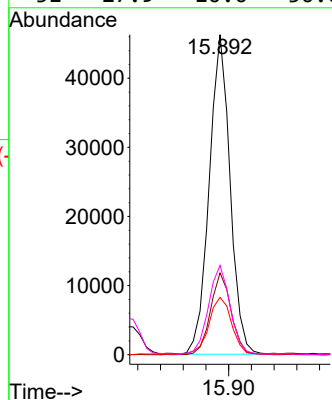
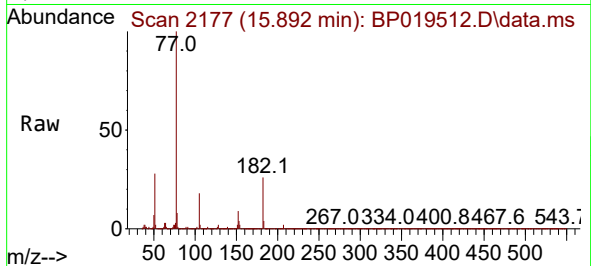




#63
Azobenzene
Concen: 3.986 ng
RT: 15.892 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

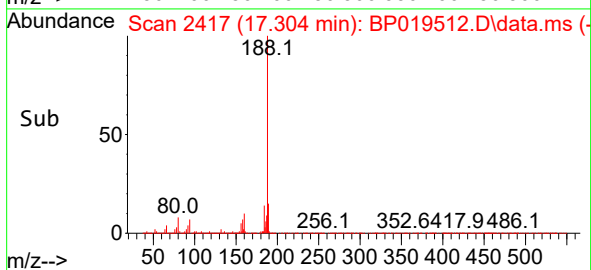
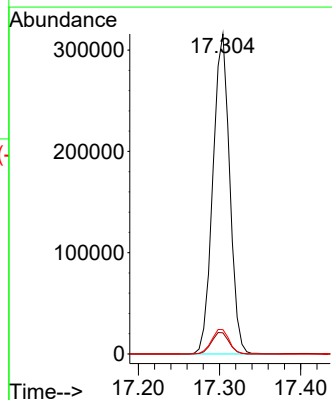
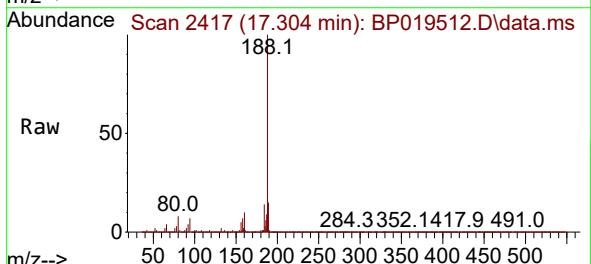
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

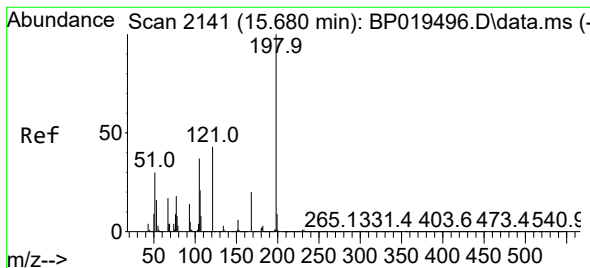
Tgt Ion:	77	Resp:	59067
Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.1	45.1
105	17.9	0.8	40.8
51	27.9	10.0	50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:	188	Resp:	453536
Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.4	8.2
80	7.6	6.3	9.5

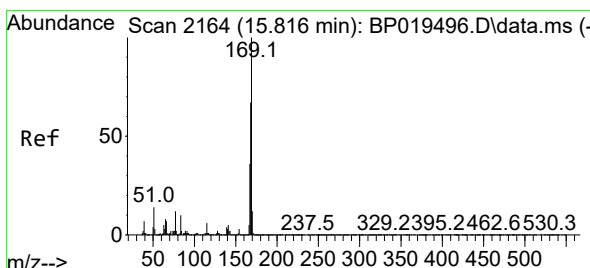
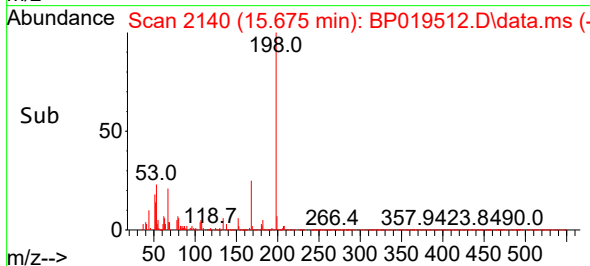
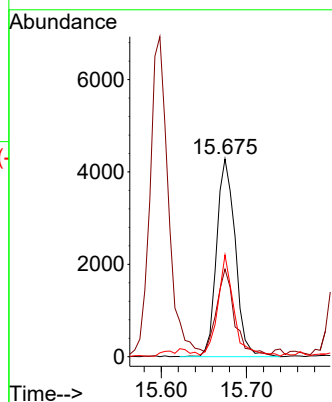
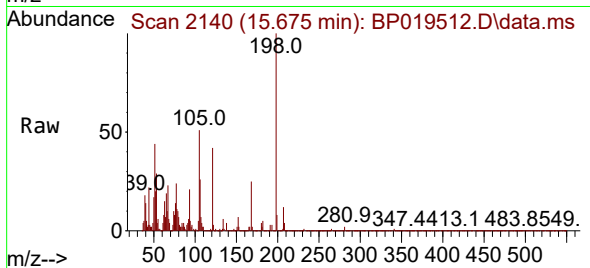




#65
4,6-Dinitro-2-methylphenol
Concen: 2.522 ng
RT: 15.675 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

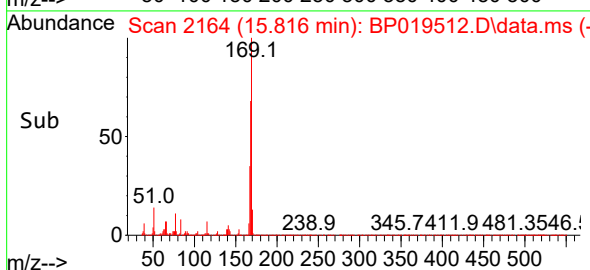
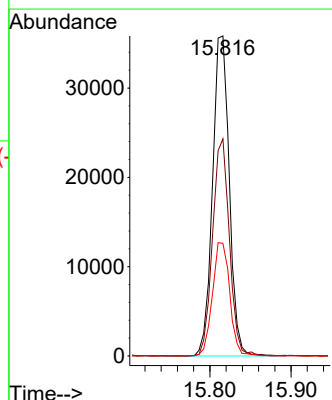
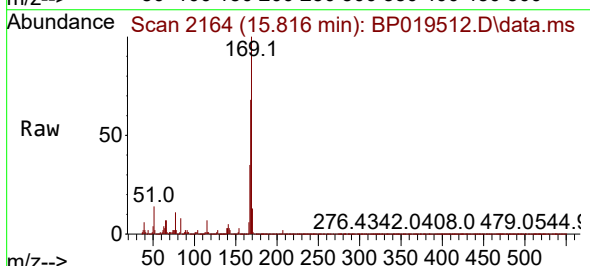
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

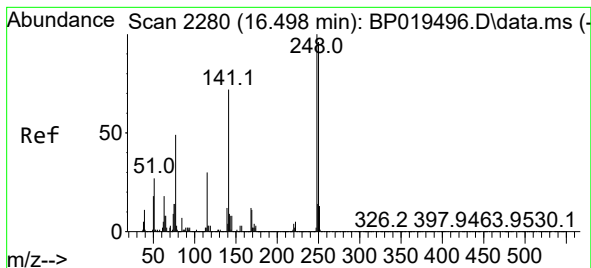
Tgt Ion:198 Resp: 6522
Ion Ratio Lower Upper
198 100
51 44.2 21.2 61.2
105 51.5 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 3.781 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:169 Resp: 51356
Ion Ratio Lower Upper
169 100
168 67.8 53.4 80.2
167 35.2 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 3.612 ng

RT: 16.498 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

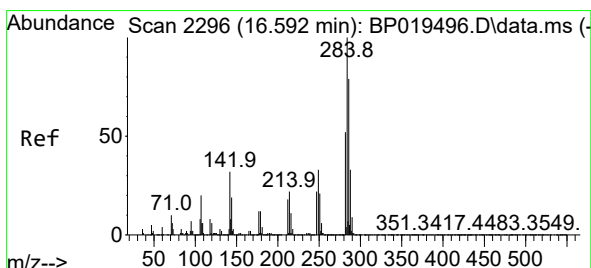
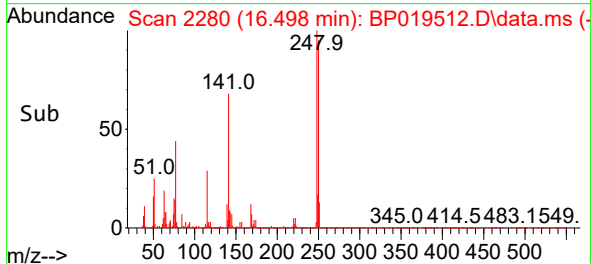
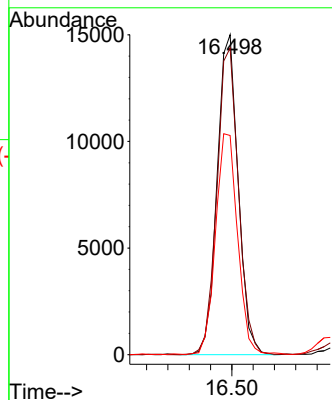
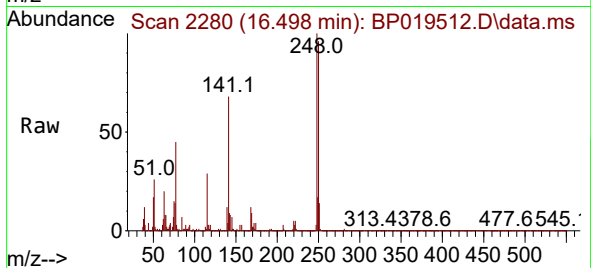
Tgt Ion:248 Resp: 20477

Ion Ratio Lower Upper

248 100

250 95.8 76.9 115.3

141 68.5 58.0 87.0



#68

Hexachlorobenzene

Concen: 3.710 ng

RT: 16.592 min Scan# 2296

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

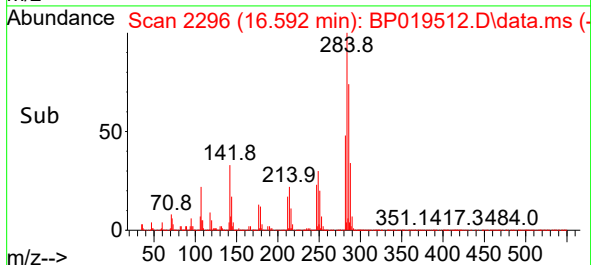
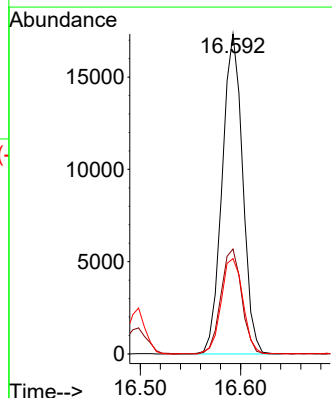
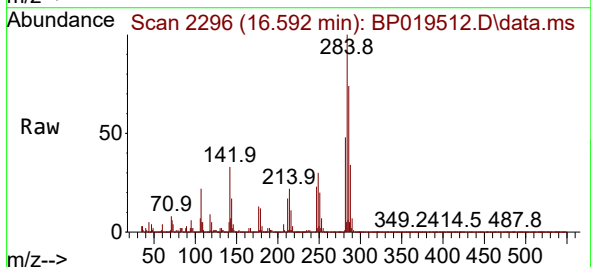
Tgt Ion:284 Resp: 24563

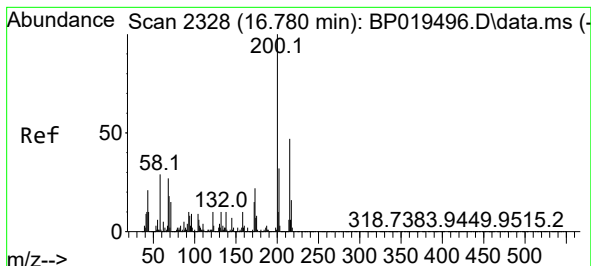
Ion Ratio Lower Upper

284 100

142 32.8 25.4 38.2

249 29.8 26.5 39.7





#69

Atrazine

Concen: 4.484 ng

RT: 16.775 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

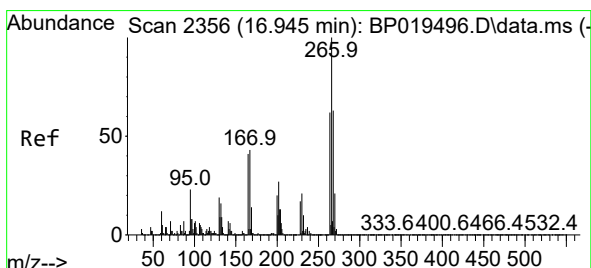
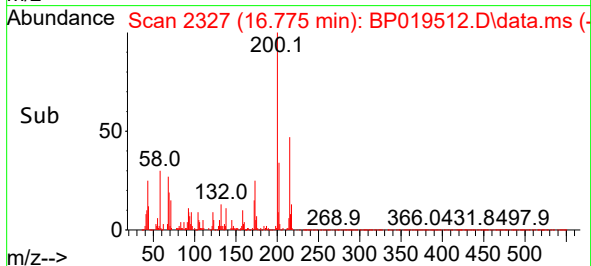
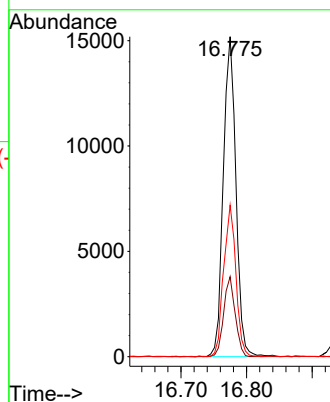
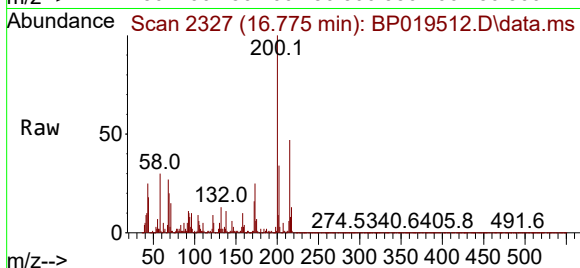
Tgt Ion:200 Resp: 20209

Ion Ratio Lower Upper

200 100

173 25.0 1.7 41.7

215 47.4 26.9 66.9



#70

Pentachlorophenol

Concen: 2.779 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

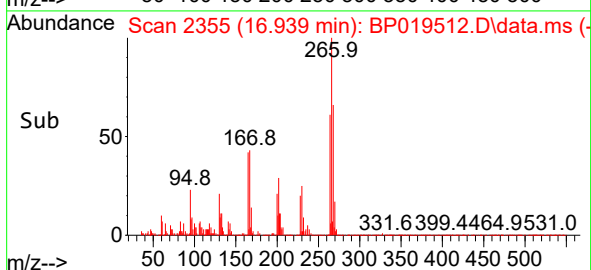
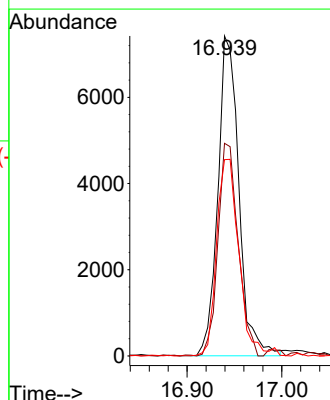
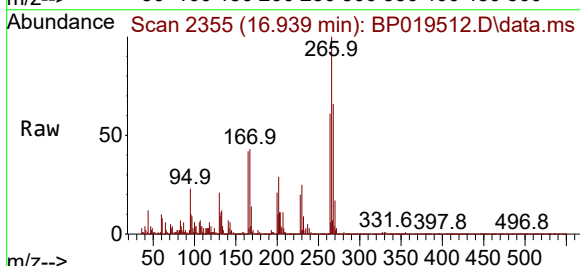
Tgt Ion:266 Resp: 11457

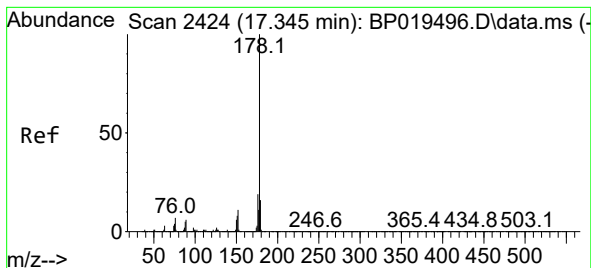
Ion Ratio Lower Upper

266 100

268 66.4 50.3 75.5

264 61.3 49.7 74.5





#71

Phenanthrene

Concen: 4.069 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

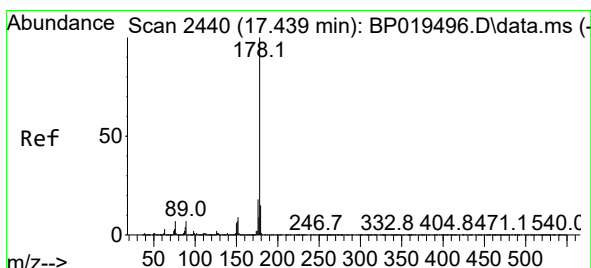
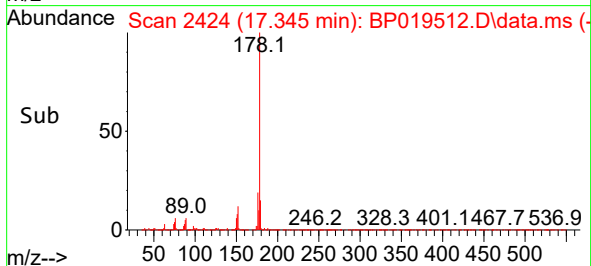
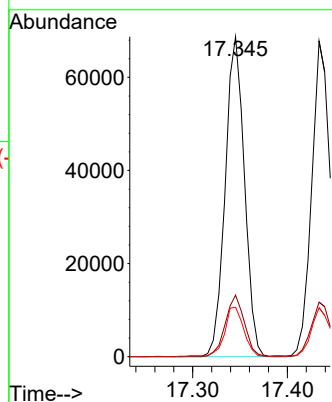
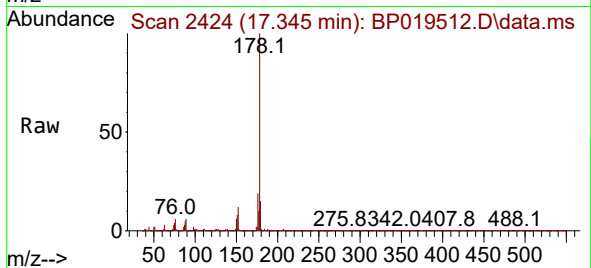
Tgt Ion:178 Resp: 97126

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.5 12.6 19.0



#72

Anthracene

Concen: 3.974 ng

RT: 17.434 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

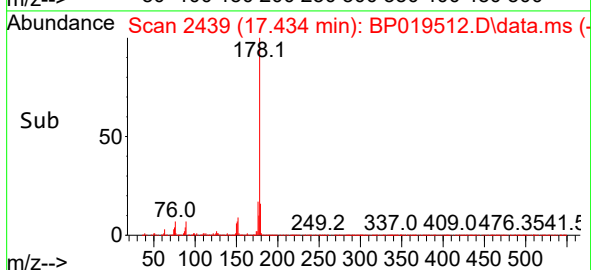
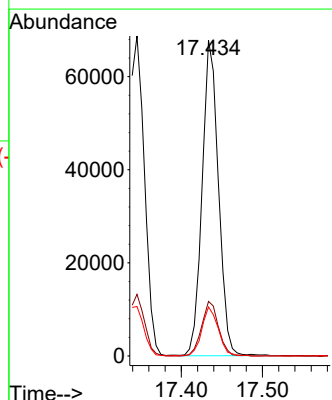
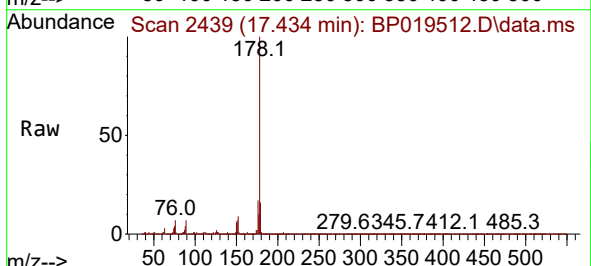
Tgt Ion:178 Resp: 94622

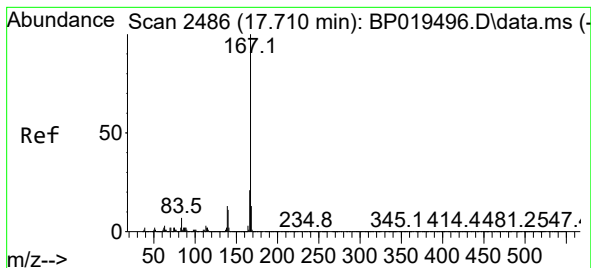
Ion Ratio Lower Upper

178 100

176 17.3 14.7 22.1

179 15.5 12.2 18.2





#73

Carbazole

Concen: 3.685 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

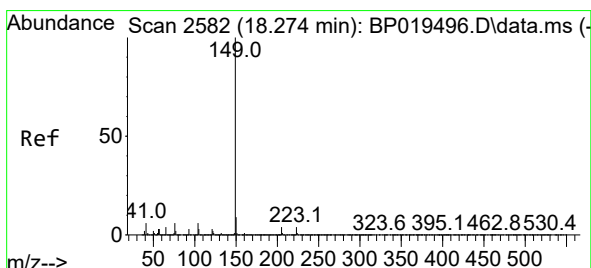
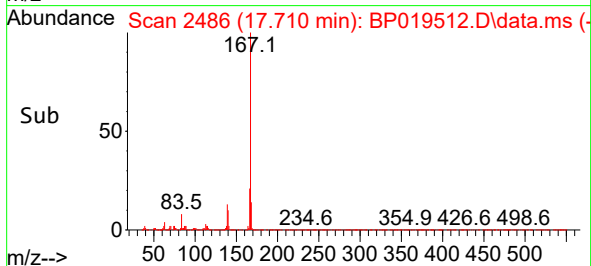
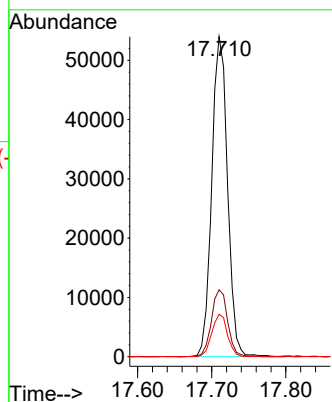
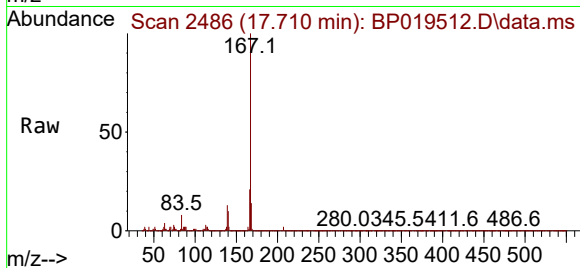
Tgt Ion:167 Resp: 79708

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

139 13.3 10.6 15.8



#74

Di-n-butylphthalate

Concen: 3.360 ng

RT: 18.275 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

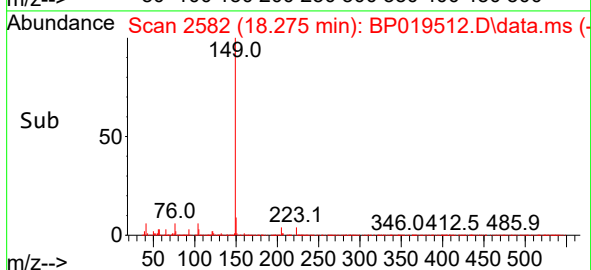
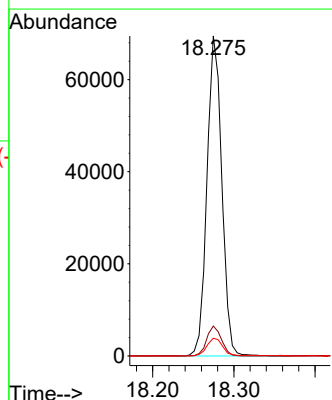
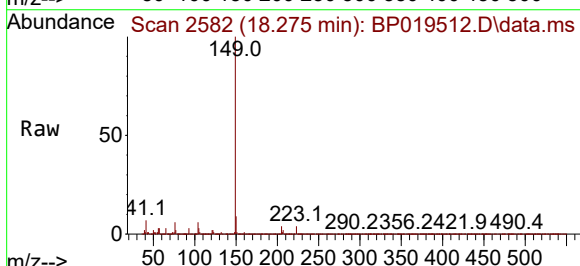
Tgt Ion:149 Resp: 87864

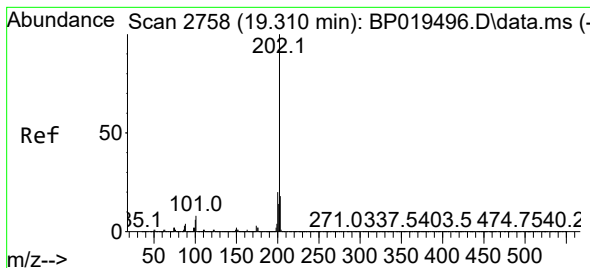
Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

104 5.6 4.8 7.2





#75

Fluoranthene

Concen: 3.581 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

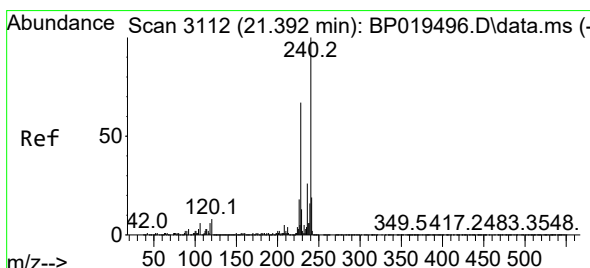
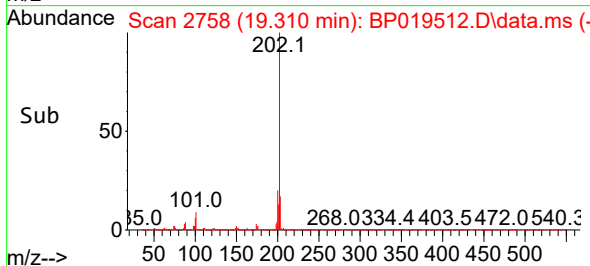
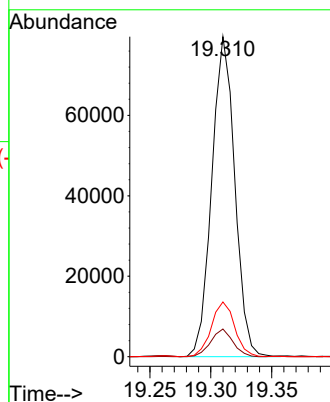
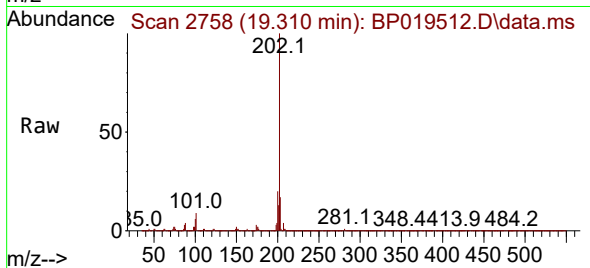
Tgt Ion:202 Resp: 104399

Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.7

203 17.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

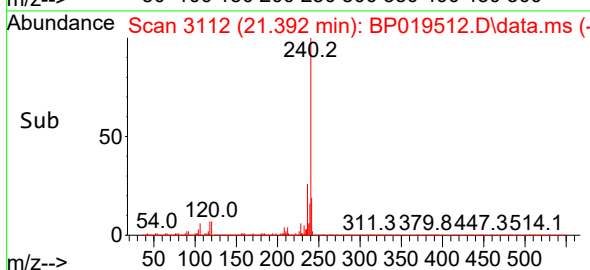
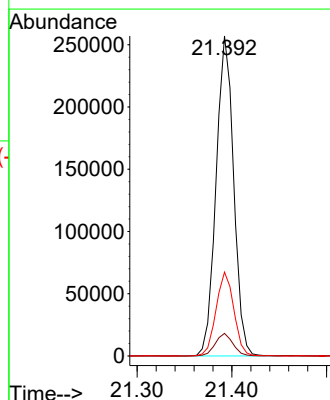
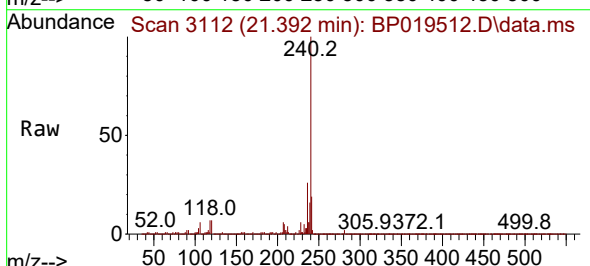
Tgt Ion:240 Resp: 332473

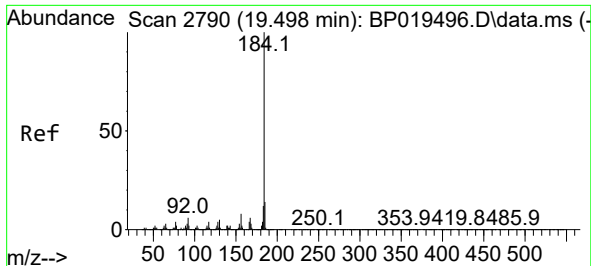
Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

236 26.2 20.7 31.1

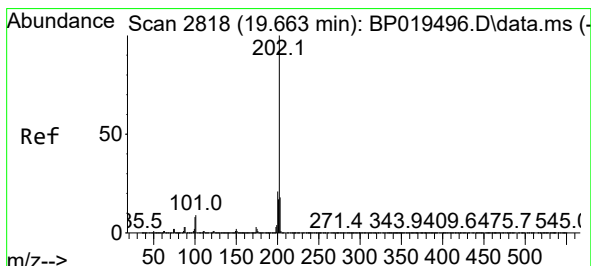
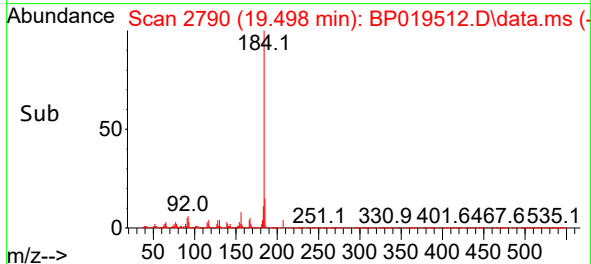
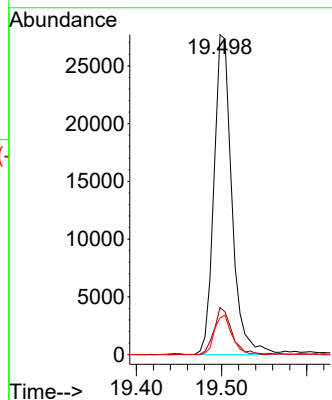
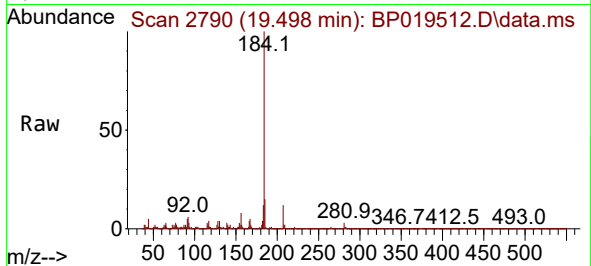




#77
Benzidine
Concen: 5.837 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

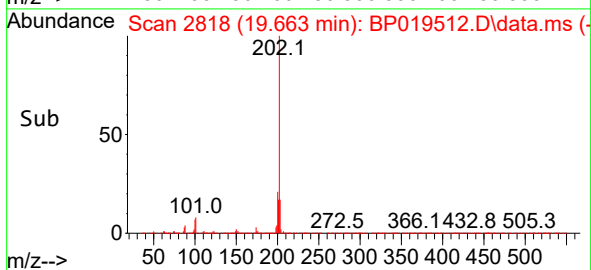
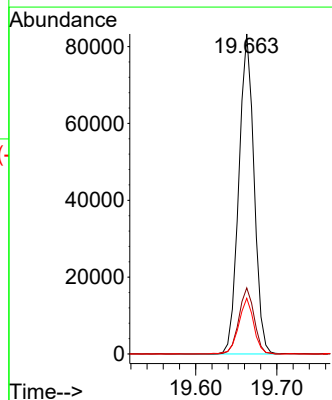
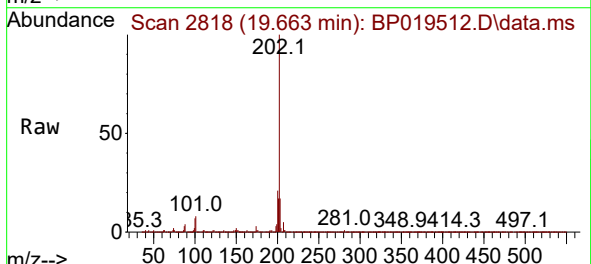
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:184 Resp: 40574
Ion Ratio Lower Upper
184 100
185 14.7 11.1 16.7
183 11.5 9.7 14.5



#78
Pyrene
Concen: 4.601 ng
RT: 19.663 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:202 Resp: 107960
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 97.373 ng

RT: 19.869 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

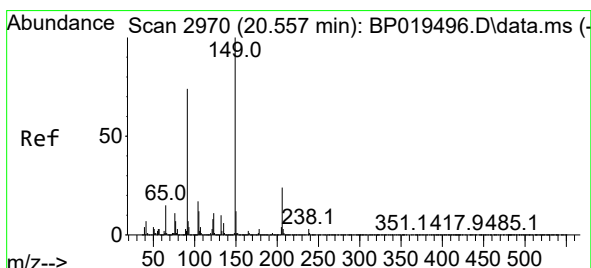
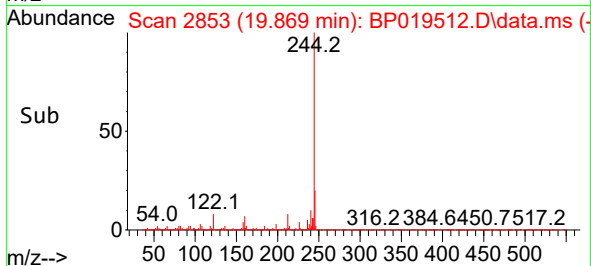
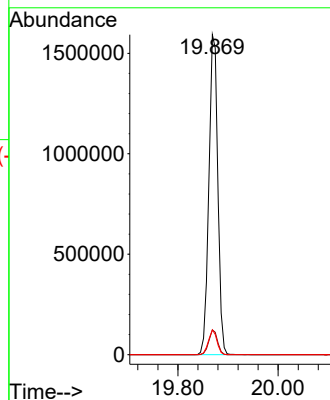
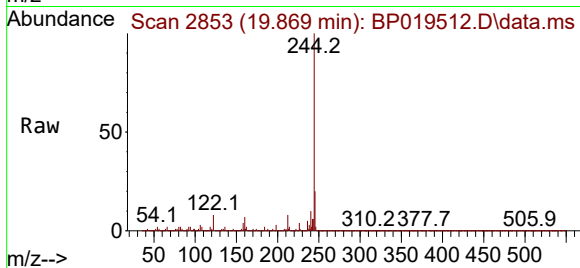
Tgt Ion:244 Resp: 1968560

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 7.7 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.372 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

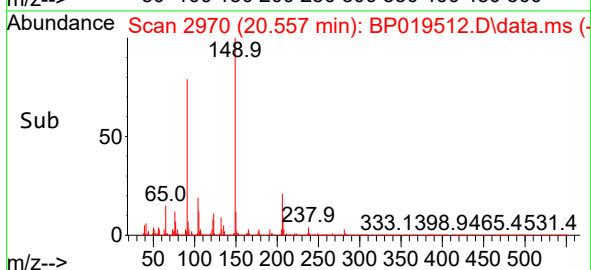
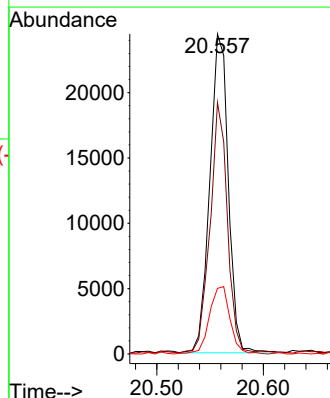
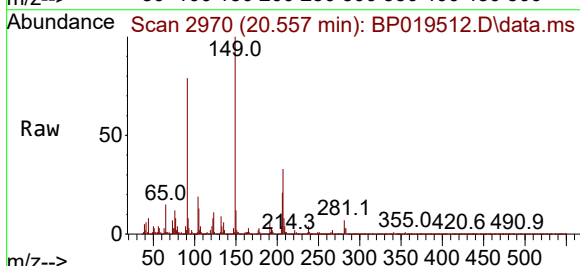
Tgt Ion:149 Resp: 29545

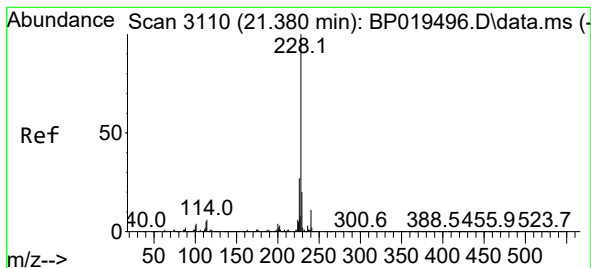
Ion Ratio Lower Upper

149 100

91 78.6 59.4 89.0

206 20.5 19.0 28.6





#81

Benzo(a)anthracene

Concen: 3.820 ng

RT: 21.380 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

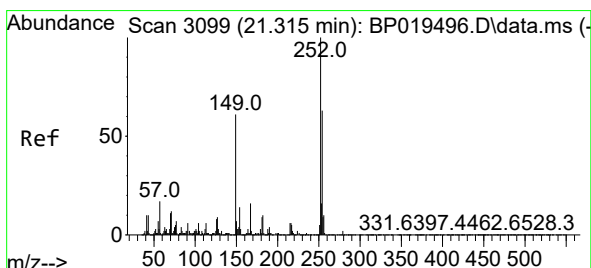
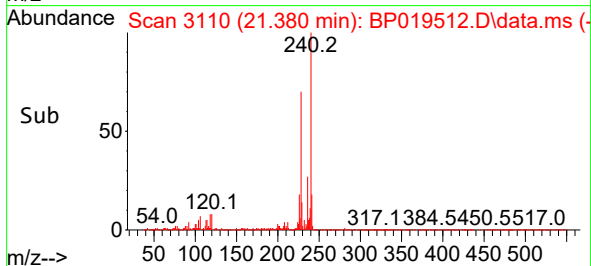
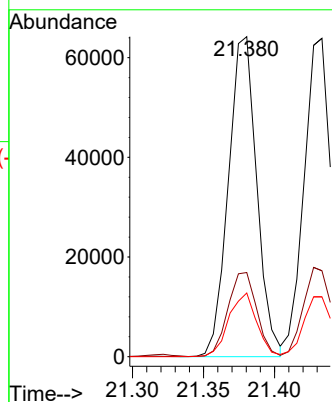
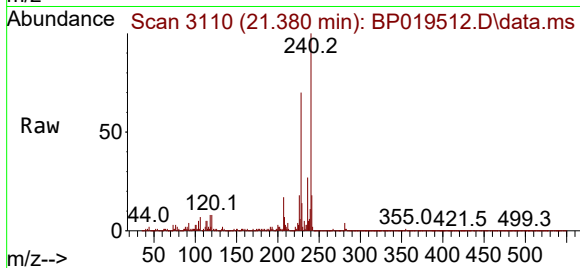
Tgt Ion:228 Resp: 89410

Ion Ratio Lower Upper

228 100

226 26.3 21.7 32.5

229 19.9 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 3.631 ng

RT: 21.316 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

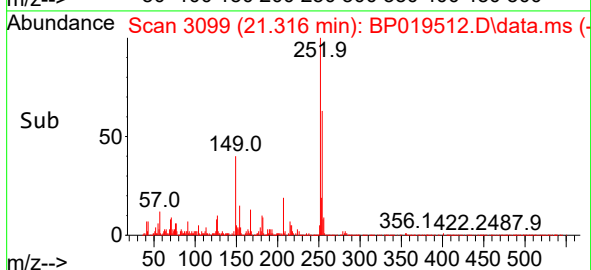
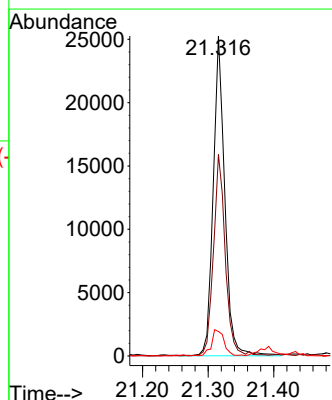
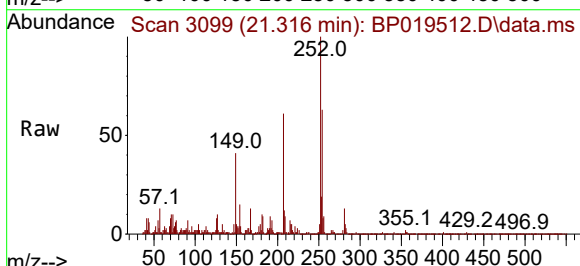
Tgt Ion:252 Resp: 30966

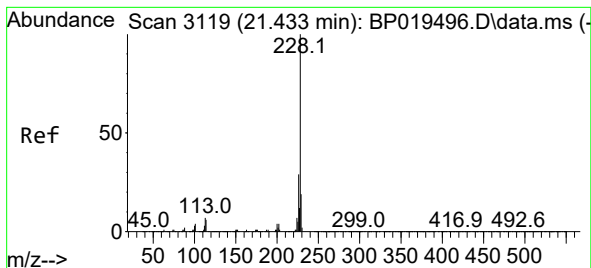
Ion Ratio Lower Upper

252 100

254 63.0 50.7 76.1

126 7.6 6.4 9.6





#83

Chrysene

Concen: 3.853 ng

RT: 21.433 min Scan# 3119

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

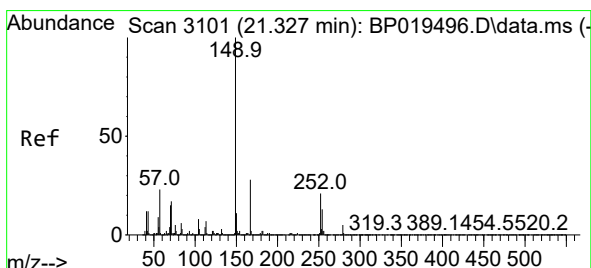
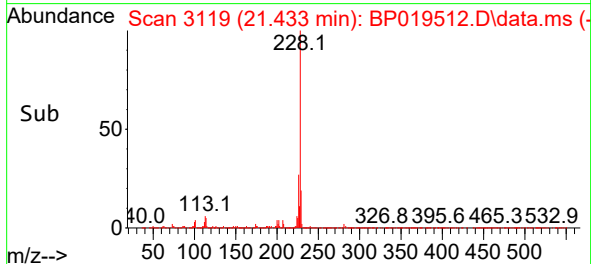
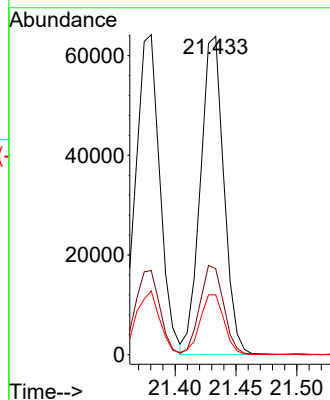
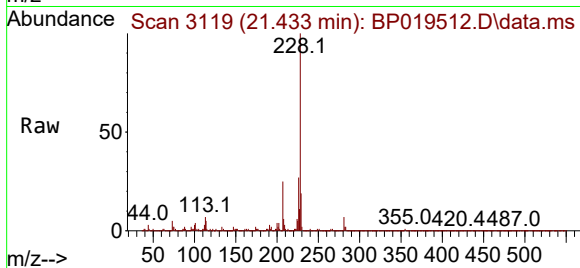
Tgt Ion:228 Resp: 85621

Ion Ratio Lower Upper

228 100

226 27.0 23.4 35.2

229 18.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.913 ng

RT: 21.327 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

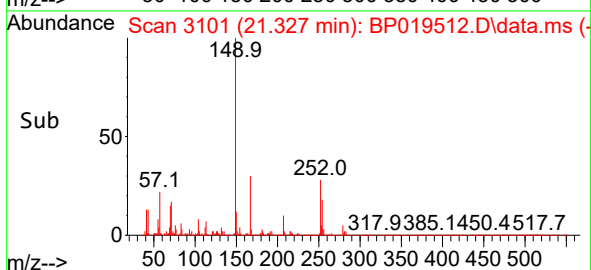
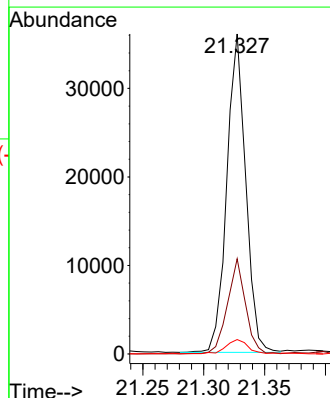
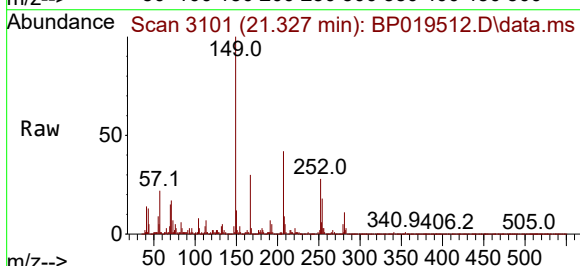
Tgt Ion:149 Resp: 38874

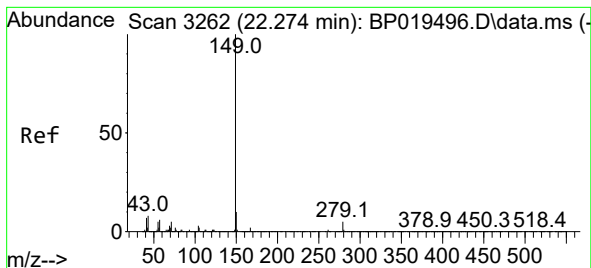
Ion Ratio Lower Upper

149 100

167 29.8 22.7 34.1

279 4.5 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.573 ng

RT: 22.274 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

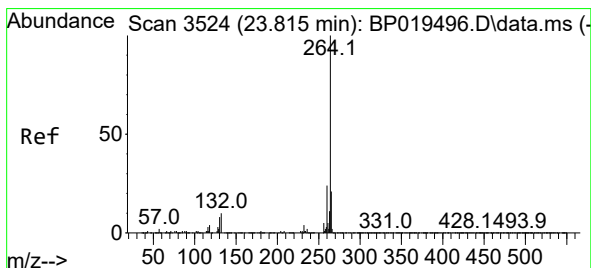
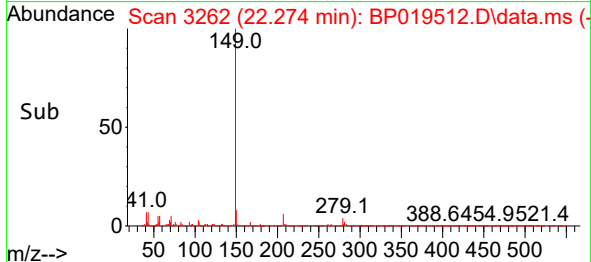
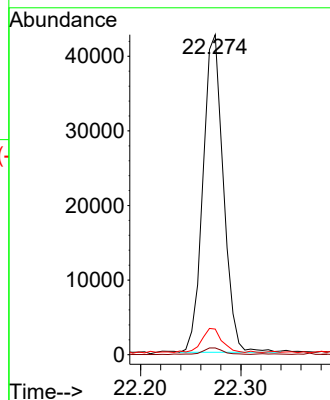
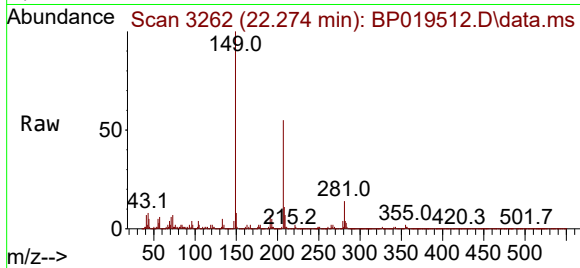
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:149	Resp: 60415
Ion Ratio	Lower Upper
149 100	
167 2.2	1.3 1.9#
43 7.5	6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

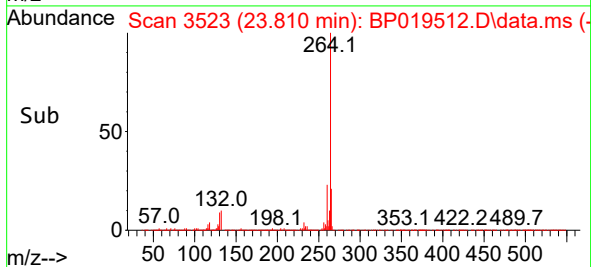
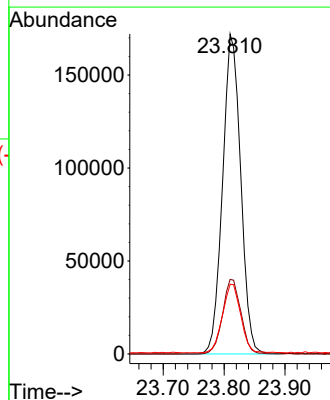
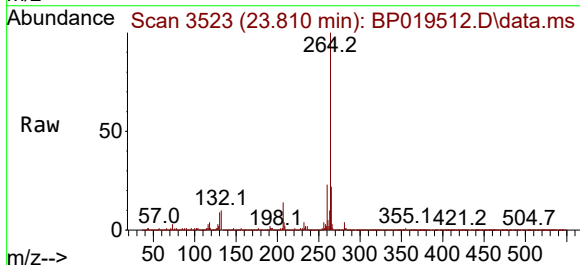
RT: 23.810 min Scan# 3523

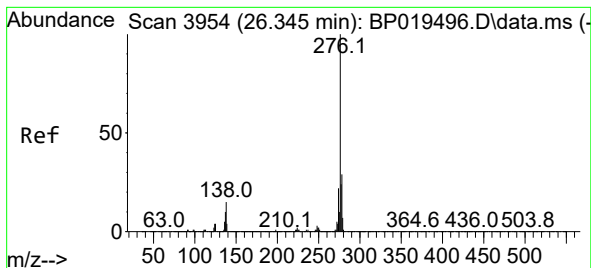
Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Tgt Ion:264	Resp: 355495
Ion Ratio	Lower Upper
264 100	
260 23.3	19.2 28.8
265 21.8	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.982 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

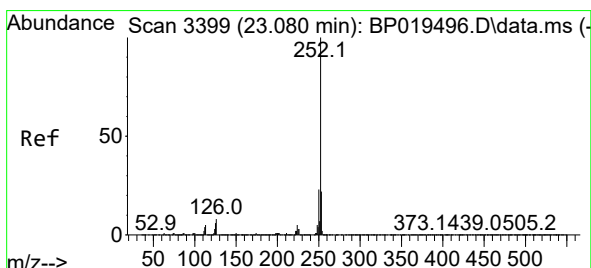
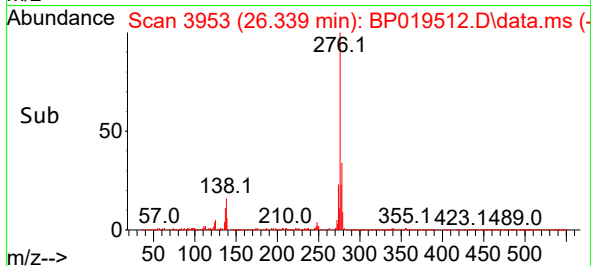
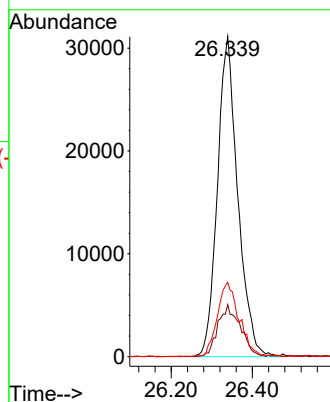
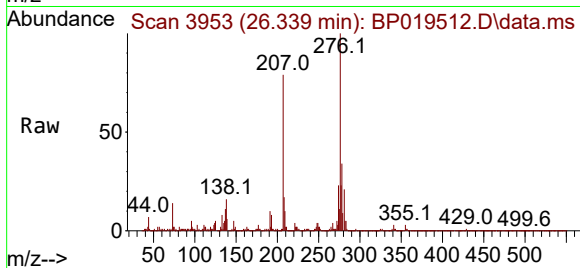
Tgt Ion:276 Resp: 108367

Ion Ratio Lower Upper

276 100

138 17.5 13.1 19.7

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.683 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

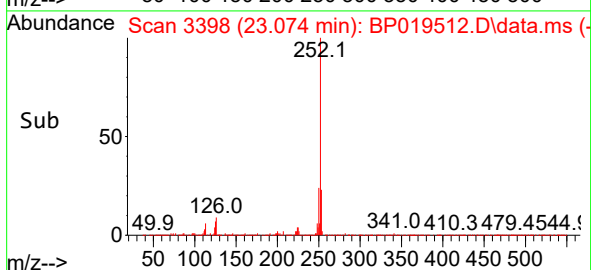
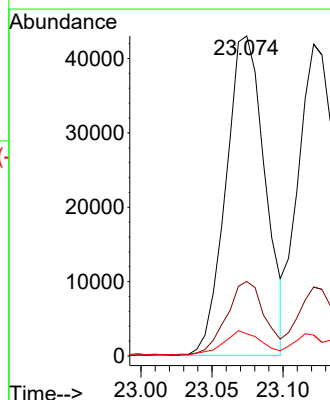
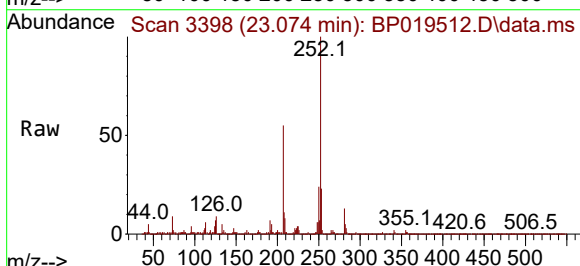
Tgt Ion:252 Resp: 82516

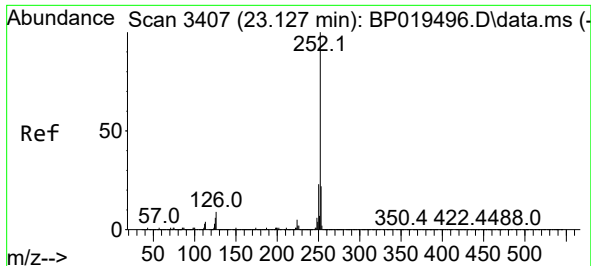
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 6.9 4.9 7.3

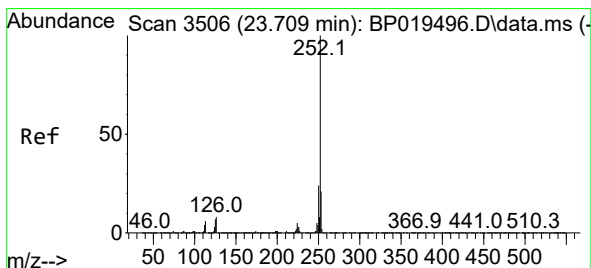
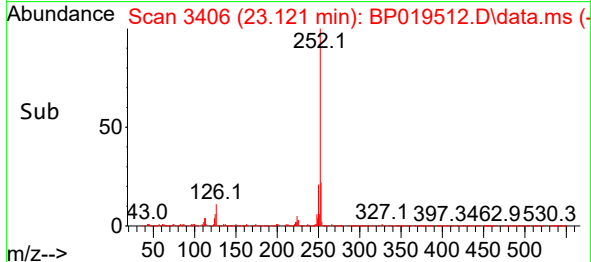
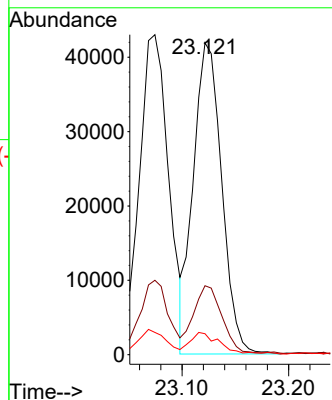
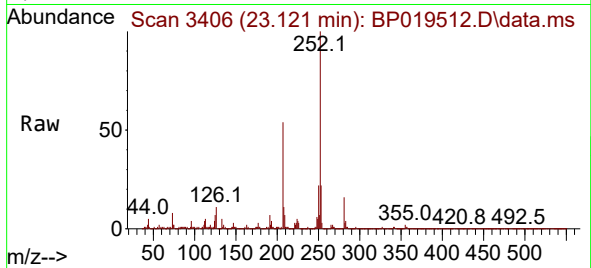




#89
Benzo(k)fluoranthene
Concen: 3.627 ng
RT: 23.121 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

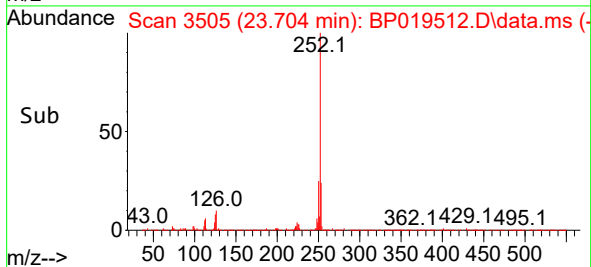
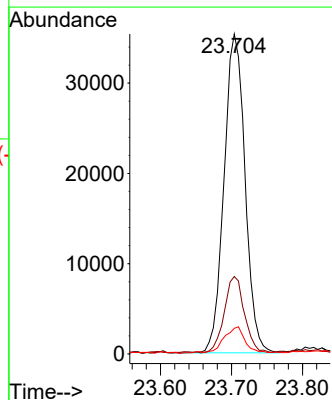
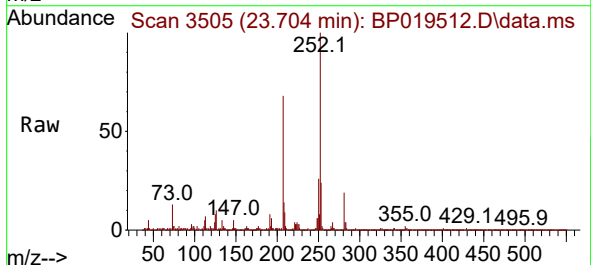
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

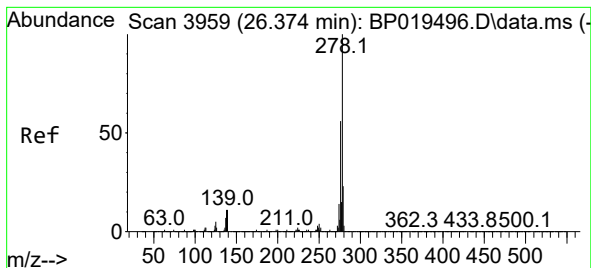
Tgt Ion:252 Resp: 77620
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 6.7 5.0 7.6



#90
Benzo(a)pyrene
Concen: 3.640 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019512.D
Acq: 01 Feb 2024 18:13

Tgt Ion:252 Resp: 72565
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 8.0 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 4.025 ng

RT: 26.374 min Scan# 3959

Delta R.T. 0.000 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

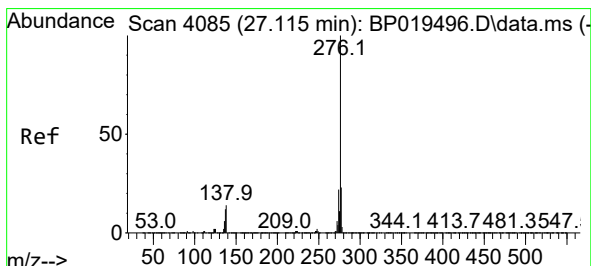
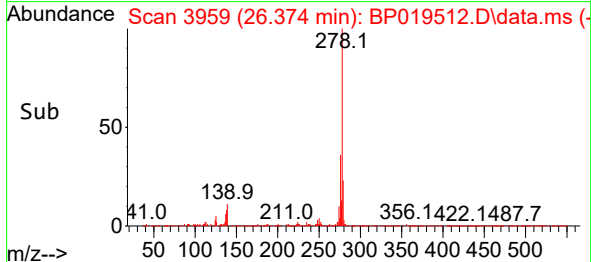
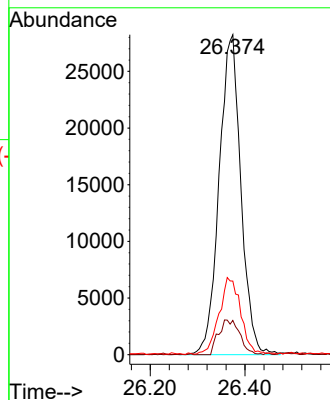
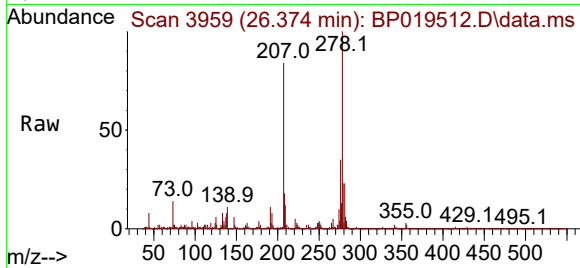
Tgt Ion:278 Resp: 90090

Ion Ratio Lower Upper

278 100

139 10.7 8.6 12.8

279 23.0 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.889 ng

RT: 27.104 min Scan# 4083

Delta R.T. -0.011 min

Lab File: BP019512.D

Acq: 01 Feb 2024 18:13

Tgt Ion:276 Resp: 88293

Ion Ratio Lower Upper

276 100

277 22.5 18.6 28.0

138 12.7 10.9 16.3

